

Richards-Wilcox

Smooth-Running Sliding Door Hangers

— FOR —

Garages, Barns, Residences

Grindstones

“Over-Way” Conveying Equipments

Hardware Specialties



**FOR SALE BY
PALACE HARDWARE CO.
581 Market Street
SAN FRANCISCO, CAL.**

CLASSES
AT
2480
R397
1920



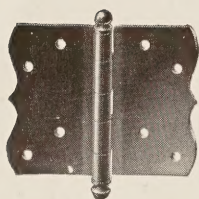
Catalog No. A-24

Contents

	PAGES
Garage Door Hardware.....	2-12
Bolts, Locks and Latches.....	13-20
Floor Guides and Stops.....	21-22
Barn and Warehouse Hangers.....	23-42
House Door Hangers.....	43-46
Classroom Partition Hangers.....	47-49
“OverR-Way” Conveying Equipment.....	50-51
Fire Door Hardware.....	52-55
Grindstones	56-68
Woodworkers’ Visers.....	69
Stay Rollers	70-73
Hardware Specialties.....	74-80



R-W No. 435 Surface Hinges



Made of wrought steel, in two sizes 4-inch x 5-inch, 12 gauge; and 5-inch x 7-inch, 11 gauge. Japan finish.

Packed one pair in a box—4-inch x 5-inch size with screws; 5-inch x 7-inch size, with flat head stove bolts.

PRICE LIST

	Price	Shipping Wt.
No. 435 Surface Hinge, 4-inch x 5-inch, per pair.....	\$.80	1¾ pounds
No. 435 Surface Hinge, 5-inch x 7-inch, per pair.....	1.40	4½ pounds

Discount.....

R-W No. 1035 Heavy Offset Surface-Pintle Hinge



No. 1035 Special Heavy Service Hinge

Made of wrought steel, 2½ inches wide, in four lengths. Designed especially for garage doors, warehouse doors and other heavy doors which it is desired to swing back of the jamb clear of the opening. Pintle is 2½ inches wide. Has loose pintle pin, ½ inch in diameter.

“Slidetite” No. 1035 equipment is designed for heavy doors and exceptionally hard service, such as that incident to public garages where the doors are large and the service rigorous.

PRICE LIST

Size of Strap	Packed in Box with Carriage Bolts	Packed in Bulk without Carriage Bolts	Shipping Weight
2½ inches x 18 inches, per pair	\$4.00	\$3.70	12 pounds
2½ inches x 24 inches, per pair	4 50	4.20	14 pounds
2½ inches x 30 inches, per pair	5.00	4 70	16 pounds
2½ inches x 36 inches, per pair	5.50	5.10	18 pounds

Discount.....

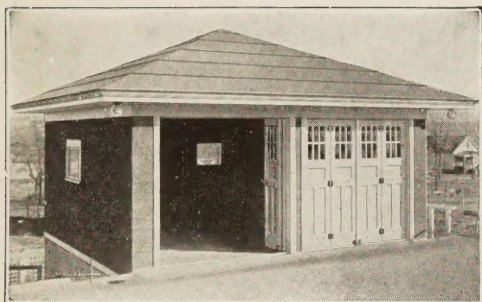


Slidetite

Garage Door Hardware

R-W No. 435

(Patented)



Double Garage. Both Openings Equipped with 4-door "Slidetite" Hardware

Garage doors equipped with this fixture fold and slide inside building, requiring only minimum space. Recommended for doors not over three feet wide.

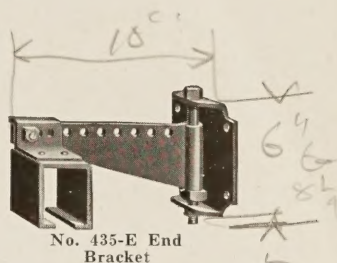
With this equipment, four doors hinged together in pairs make an ideal arrangement for the ordinary garage doorway, one pair folding to each side of the opening. When desired, however, any number from 3 to 10 doors can be used, in which case the center doors swing free, making convenient entrance doors.

Doors so installed, fit perfectly tight, are weather-proof and cannot sag. The R-W "Slidetite" Equipment permits the use of part or all of the opening, prevents warping of doors at top. Permits the use of doors that correspond with style of architecture used in residence.

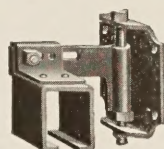
We furnish all necessary hardware except the knob lock for entrance door. Direction sheet showing erection details furnished with each order.

Packed, complete sets, in wood box, less track, tie rods and locking bolts.

Intermediate and end brackets are adjustable. Brackets are swiveled to permit track to be set at angle suitable to thickness of doors. Hangers support and guide the end of the doors and prevent sagging. Wheels are gray iron, lathe turned. Vertical adjustment. Ball bearing swivel pendants.



No. 435-E End Bracket



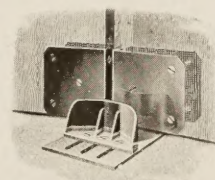
No. 435-I Intermediate Bracket



No. 435-C Center Bracket



No. 435 Hanger

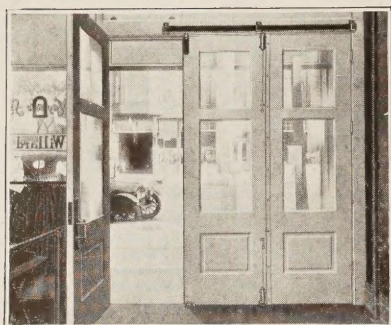


No. 271 Floor Guide with 301-72 Bumper Shoe

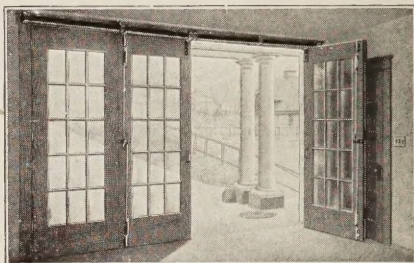
Slidetite Garage Door Hardware

R-W No. 435

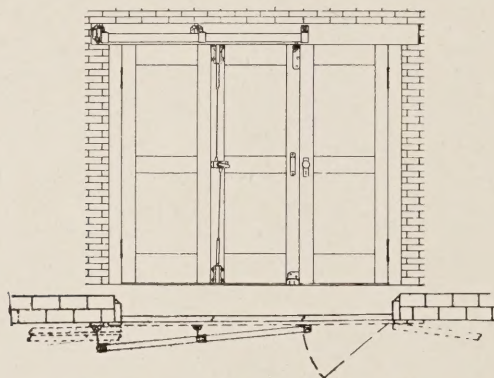
(Patented)



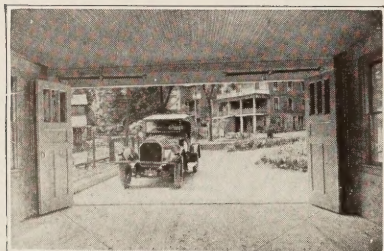
Interior view 3-door "Slidetite" Garage Door Installation



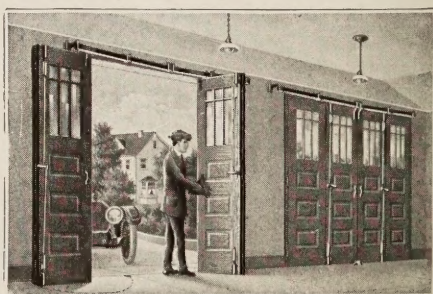
Interior view 4-door "Slidetite" Garage Door Installation



Elevation and Floor Plan of Three-Door "Slidetite" Outfit



Interior view 6-door "Slidetite" Garage Door Installation



Interior view 4-door double entrance "Slidetite" Garage Door Installation



Slidetite

Garage Door Hardware

R-W No. 435

(Patented)

Price list of equipments complete, including hangers, hinges, track, bolts and screws necessary to erect.

Opening with		3 Doors	4 Doors	5 Doors	6 Doors
Width of Opening		Up to 9'	Up to 12'	Up to 15'	Up to 18'
With Track No.		31	31	31	31
Including: No. 514 Bolts	Height of Door Up to 10'	\$14.00	\$21.00	\$24.50	\$28.00
No. 514-524 Bolts	Up to 10'	14.00	21.00	24.50	28.00
No. 517 Bolts	Up to 8'	17.00	26.00	29.00	36.00
No. 517 Bolts	8' 1" to 9'	17.60	27.20	30.20	37.80
No. 517 Bolts	9' 1" to 10'	17.80	27.60	30.60	38.40

Discount.....

PRICE LIST OF PARTS

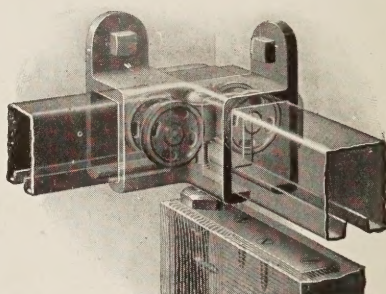
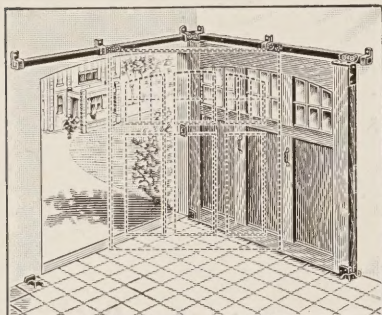
	Price	Shpg. Wt.
No. 435-1 Hanger (for No. 31 track).....	\$3.50	3½ lbs.
No. 435x31-C Center Bracket.....	.30	1½ lbs.
No. 435x31-E End Bracket.....	1.00	4 lbs.
No. 435x31-I Intermediate Bracket.....	.70	3¼ lbs.
No. 435 Butt Hinges, (4-inch x 4-inch) per pair.....	.60	1½ lbs.
No. 435 Surface Hinges, (4-inch x 5-inch) per pair.....	.80	1¾ lbs.
No. 71-2 Bow Handles, each.....	.24	6 oz.
No. 271 Floor Guide, each.....	.96	2¼ lbs.
No. 301-72 Bumper Shoes, each.....	.12	5 oz.

Discount.....

SlydaSyde

(Patented)

R-W No. 235 Right Angle Garage Door Hardware

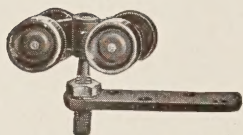


The No. 235 style right angle corner bracket supports the track in the corner, making both tracks on the same level. Short pendant hangers used all around. Can be used only when the door, in closed position, fits right up in the corner of the building.

PRICE LIST

No. 235 x 31 Right Angle Corner Bracket.....\$2.00

Discount.....



Four-wheel Hanger
No. 235-5

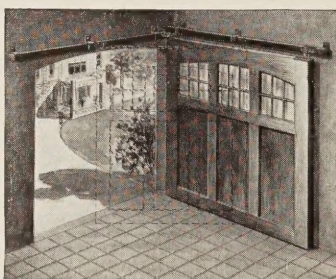
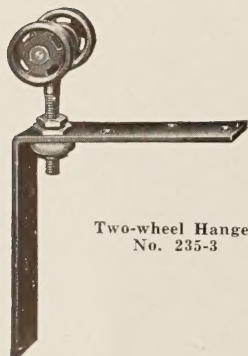
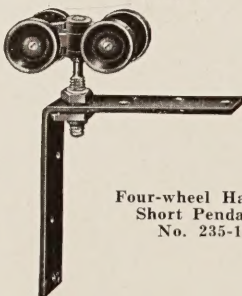


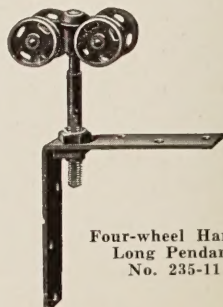
Fig. B



Two-wheel Hanger
No. 235-3



Four-wheel Hanger
Short Pendant
No. 235-1



Four-wheel Hanger
Long Pendant
No. 235-11

SlydaSyde

(Patented)

R-W No. 235 Right Angle Garage Door Hardware

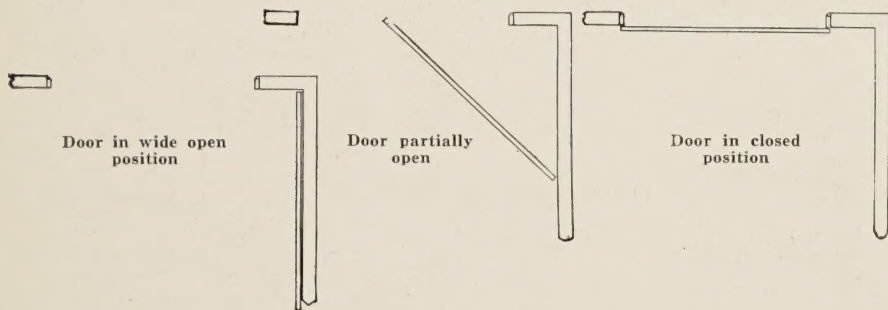
Designed to use where, for lack of room, right angle doors are desired. As shown in Fig. B, track on side wall is set over track above the opening. This requires that the outer end hanger have an extra long pendant. Track over opening must be slotted part way through at point, where pendant of rear hanger on door comes, when door is in closed position. Direction sheet showing erection details furnished with each order.

For use on double doors, specify for each door, one four-wheel hanger for outer end and one two-wheel hanger for inner end (where doors meet at center of opening.)

Hanger wheels are grey iron, lathe turned. Vertical adjustment. Ball-bearing swivel pendant. Packed, complete sets for single door and for pairs of doors in No. 31 track size only, less track, brackets and locks; single hangers, all sizes, with screws, packed one in metal-edge box.

PRICE LIST

Hanger No.	For Track No.	Diameter Wheels Inches	Top of Door to Bottom of Front Track		Clearance Required Above Bottom of Front Track		Weight Each Pounds	Price List	
			Minimum Inches	Maximum Inches	Side Wall Bracket Inches	Ceiling Bracket Inches		Regular Each	Knuckle Joint Each
235-1	31	2 $\frac{1}{8}$	1	1 $\frac{3}{4}$	7	6	3	\$2 50	\$3.50
235-3	31	2 $\frac{1}{8}$	1	1 $\frac{3}{4}$	7	6	2	2.50	
235-5	31	2 $\frac{1}{8}$	1	1 $\frac{3}{4}$	4 $\frac{5}{8}$	3 $\frac{1}{2}$	3		3.50
235-11	31	2 $\frac{1}{8}$			7	6	3 $\frac{1}{4}$	2.50	



Directions for Ordering—State following: First, size of opening. Second, distance between jamb and side wall. Third, are doors single or double. Fourth, if double, do they slide right and left—or both one way? Fifth, distance door laps on jamb. Sixth, always send sketch of floor plan with above dimensions inserted.

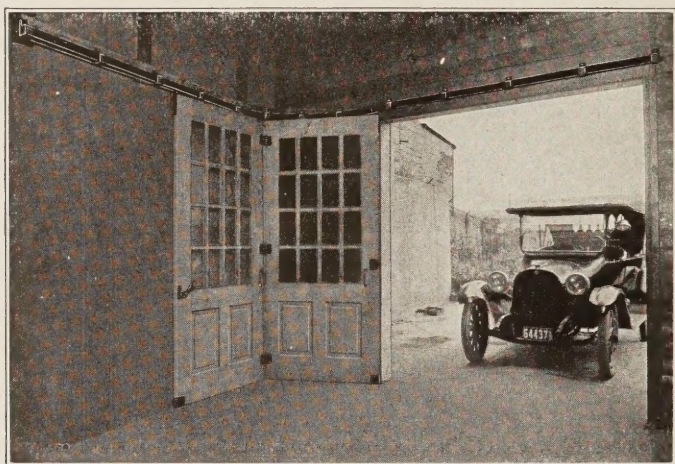
Brackets should be spaced not to exceed 30-inch centers.



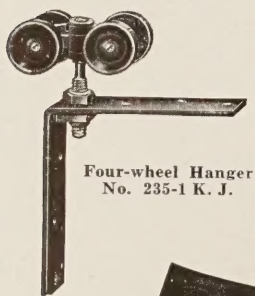
SlydaSyde

(Patented)

R-W No. 235 Right Angle Garage Door Hardware



Designed especially for use in garages where distance from jamb to side wall is 26 inches or more. The knuckle-jointed hangers operate around the corners in the curved sections of trolley track. Suitable for single doors, double doors, one sliding each way; two doors hinged together and two pairs of doors hinged together, opening in opposite directions.



Four-wheel Hanger
No. 235-1 K. J.



Two-wheel Hanger
No. 235-3



No. 235 x 31 Curved Track
24" radius 90 degrees

SlydaSyde

(Patented)

R-W No. 235 Right Angle Garage Door Hardware

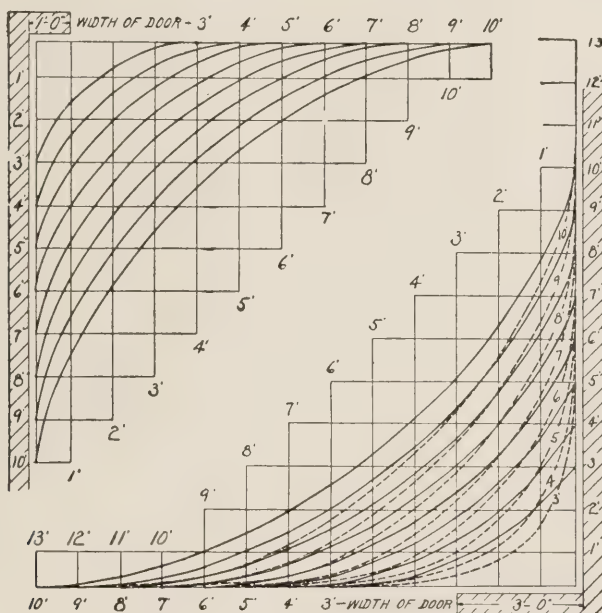


Diagram showing amount of clearance required for doors of various widths and with different jamb spaces, using "Slyda-Syde" hangers. Follow dotted lines when curved track is used.

PRICE LIST

	Price	Shpg. Wt.
No. 235 x 31 Curved track, 24-inch radius, 90 degree.....	\$7.55	5 lbs.
No. 2 x 31 End track brackets, each.....	.32	1 lb.
No. 1 x 31 Center track brackets, each.....	.32	1 lb.
No. 71-2 Bow Handles, each.....	.24	6 oz.
No. 170 Flush Drop Handle, each.....	.36	½ lb.
No. 272 Floor End Stop, each.....	.72	3 lbs.
No. 301-72 Bumper Shoes.....	.12	5 oz.
No. 235-1 K. J. Hanger, each.....	3.50	3¼ lbs.
No. 235-3 Hangers, each.....	2.50	2 lbs.

Discount.....



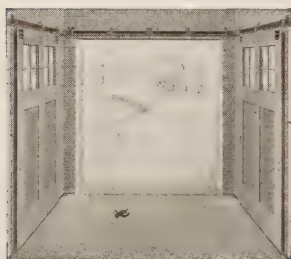
R-W No. 635 Right Angle Garage Door Hardware

The No. 635 hardware set corresponds in general respects with the No. 235 "SlydaSyde" shown in the preceding pages, the door arrangement being practically the same. The doors when open stand along the sidewall at right angles to the opening inside the building and require a negligible amount of space for their operation in swinging around the corner.

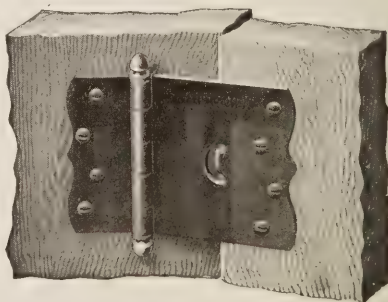
The particular feature which distinguishes the No. 635 hardware, is the exceptionally narrow space between the jamb and the sidewall in which the hardware can be installed, due to the No. 635 short radius corner bracket, and the Ball-Bearing Hangers, especially designed to operate in a short radius curve with practically no friction. Six inches or more of space between back edge of closed door and side wall, provides for free movement of the door.

Installations of this No. 635 hardware may be made with one or more doors in an opening of any width, the only limitation to the width of the opening being the corresponding sidewall space against which the doors must stand in open position.

Sets of hardware cover openings with single doors sliding to one side; double doors one of which slides to each side; two doors hinged together sliding to one side, and two pairs of doors hinged together, one pair of which slides to each side.



Two-door "CornR-Wise"
Installation



No. 635 Surface Hinge
Used only where doors are hinged together



R-W No. 635 Right Angle Garage Door Hardware

PRICE LIST OF PARTS

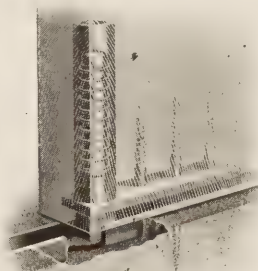
	Price	Shpg. Wt.
No. 635-1 Hanger, for No. 31 trolley track.....	\$4.00	4¾ lbs.
No. 635-3 Hanger, for No. 31 trolley track.....	4.00	5¼ lbs.
No. 635x31 Curved Corner Bracket.....	2.00	5 lbs.
No. 635-72 Bumper Shoe, each.....	.12	5 oz.
No. 635 T. K. Floor Guide Track, per foot.....	.12	5/8 lb.
No. 635 F. G. Floor Guide, each.....	.80	1 lb.
No. 635 C. Floor Guide Track Curve, each.....	.60	1 lb.
No. 635 Surface Hinges, per pair.....	1.20	2 lbs.
*No. 635 Guide Roller, each.....	.50	1½ lb.
*No. 635 Corner Guide Strip, each.....	.40	¾ lb.

*Not used in installations where floor guide is used.

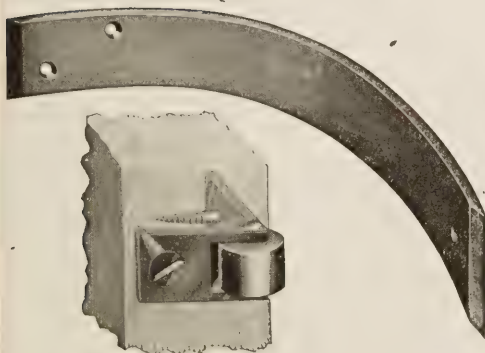
Discount.....



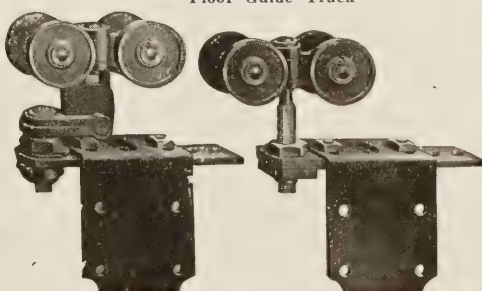
Patented
No. 635 Curved Corner
Bracket



No. 635 Floor Guide and
Floor Guide Track



No. 635 Guide Roller
No. 635 Guide Strip



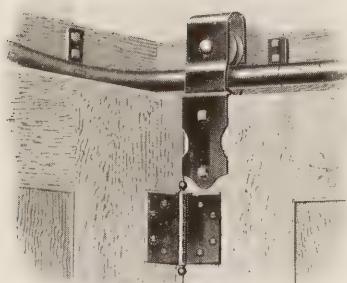
No. 635-3 Hanger

No. 635-1 Hanger



ROUND RUNNER

R-W No. 835 Garage Door Hardware



A complete hardware equipment of high character at a low price. Made for doors that run round the corner inside the garage and stand out of the way against the side-wall when the doors are open. Provides for entrance door without additional doorway.

Adapted to entrances having 3, 4, 5, or 6 doors.

Packed Complete Including Track in Strong Wood Box

Three-door outfit for 8-foot opening consists of the following hardware:

- | | |
|--|-----------------------------|
| 3 No. 835 Hangers | 1 No. 272 End Floor Stop |
| 1 No. 835 Track Curve | 2 No. 71-2 Bow Handles |
| 10 Pcs. 835 track, each 18 inches long | 1 No. 128-2 Door Bolt |
| 3 pr. hinges | 1 No. 835 Lower Guide Strip |
| 2 No. 835 Stay Rollers | 4 No. 301-72 Bumper Shoes |

Bolts and screws.

Erecting instructions packed with hardware.

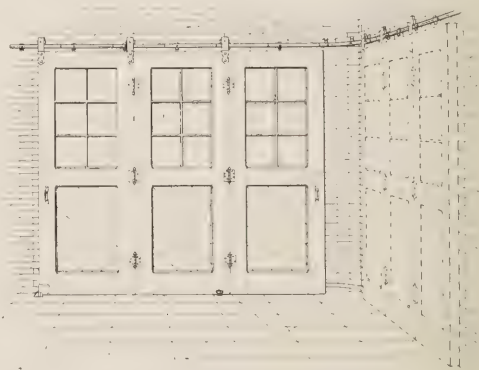
Note—For five or six door entrance, use two, three-door sets.

PRICE LIST

Hardware for three-door
8 ft. opening, per set. \$15.00
Shipping weight. . . . 55 pounds

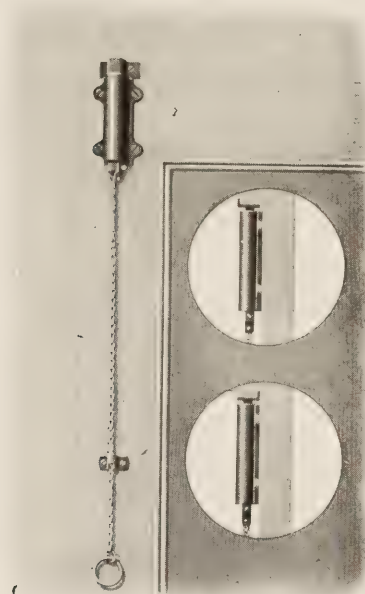
Hardware for three-door
10 ft. opening, per set. \$16.00
Shipping weight. . . . 65 pounds

Discount.....



3-Door Elevation. Doors moving right.
Swinging door at right

R-W No. 514 Top or Bottom Spring Bolt For Garage Doors



Used as Top Bolt, Showing Various
Applications of Keepers

Heavy Spring bolt, designed especially for garage use. Can be used on sliding doors, right angle doors, sliding-folding doors, hinged doors swinging in or out.

Bolt, steel, 7 inches. Housing grey iron, 5½ inches long. Chain, 24 inches.

Finish, black enamel. Packed regularly, six in metal-edge box, complete with screws, two keepers, chain and clip for chain for each bolt.

Weight, per half dozen, 14 pounds.

PRICE LIST

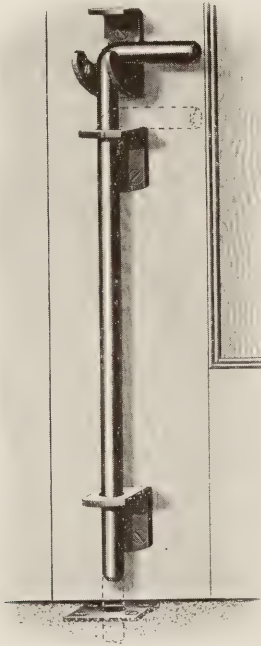
No. 514 Top or Bottom Bolt, per dozen.....\$8.00

Discount.....



R-W No. 524 Bottom Cane Bolt

Made in Two Sizes



An extra heavy, all steel bottom bolt for garage doors.

As shown in illustration, bolt drops by gravity when the pin which holds bolt clear of the floor in unlocked position, is passed through slot in bracket.

Can be used in connection with No. 514 Top Bolt.

No. 1 size, $\frac{5}{8}$ -inch by 18 inches long. Weight $2\frac{1}{2}$ pounds each.

No. 2 size, $\frac{3}{4}$ -inch by 24 inches long. Weight, 4 pounds each.

PRICE LIST

No. 524-1 Bottom Bolt, per dozen.....	\$ 9.00
No. 524-2 Bottom Bolt, per dozen.....	12.00

Discount.....



R-W No. 616 Parallel Sliding Door Bolt



For locking parallel doors from the inside only.

Reversible for right or left hand.

Lugs on lever work on a cam shaped piece attached to the back edge of one door and the cam is so shaped that as the lever is drawn down, the doors are wedged together.

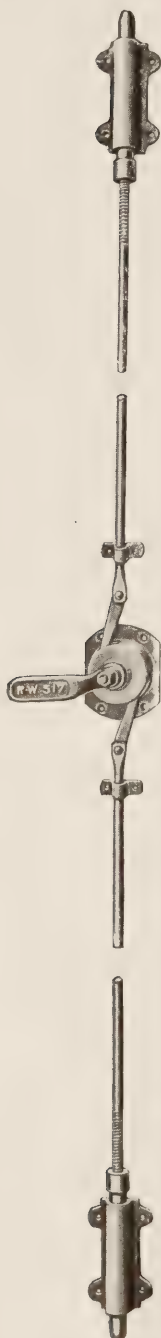
When the lever is in horizontal position, and the pivoted handle in the position shown on illustration, the doors are drawn as tight together as possible.

Size of plate on flush cup, $8\frac{1}{4}$ inches high by $3\frac{1}{2}$ inches wide. Cup is $1\frac{3}{8}$ inches deep. Shipping weight, $3\frac{1}{2}$ pounds.

PRICE LIST

No. 616 Bolt, each.....\$1.70

Discount



R-W No. 517 Top and Bottom Bolt

Locks doors at both top and bottom with one movement of the lever handle.

So constructed that when bolted or unbolted, the ends of connecting rods, where attached to the lever handle, are off center so that bolt maintains its position by gravity and cannot be changed except by moving the lever handle.

Made in one size, for doors 7 feet to 8 feet high and furnished with extra sections, one foot and two feet long for higher doors.

Packed regularly with screws and top and bottom keepers. Extra bottom keeper furnished so that the doors may be locked in open position.

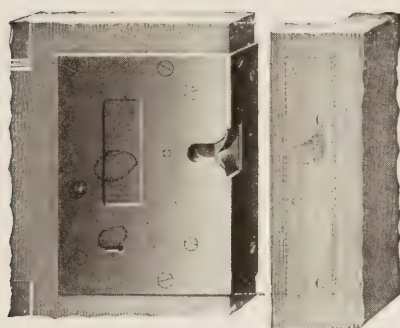
PRICE LIST

No. 517 Bolt, adjustable for doors 7 to 8 feet high	\$5.00
Extra section 1 foot long	.60
Extra section 2 feet long	.80

Discount.....

Directions for Ordering—State the following: First, height of door. Second, whether sliding or swing door. Third, if swing door, does same overlap jamb or set in flush. Fourth, whether doors swing in or out.

“NOBREAK” R-W No. 510 Sliding Door Lock



Made of steel with malleable jaws. Can be operated from both outside and inside.

The act of closing the door latches it, and to unlatch it, simply press back the hand hole or flush pull cover with the fingers. This is a valuable feature, for with other sliding door locks it is necessary to use a key not only to unlock the doors, but also each time it is unlatched. The key is used only to lock or unlock the door.

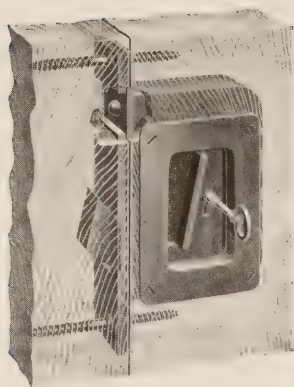
Made in two sizes, No. 1 size for doors $1\frac{3}{4}$ to $2\frac{1}{4}$ inches thick. No. 2 for doors $2\frac{1}{2}$ to 3 inches thick. Packed one in metal-edge box, complete with screws, strike plate for doors, two keys and templet for setting lock. Shipping weight, 70 pounds per dozen.

PRICE LIST

No. 510-1 or No. 510-2 Lock, dead black, per dozen.....	\$30.00
No. 510-1 or No. 510-2 Lock, bronze plated or old copper, per dozen....	48.00

Discount.....

“FAULTLESS” R-W No. 525 Sliding Door Lock



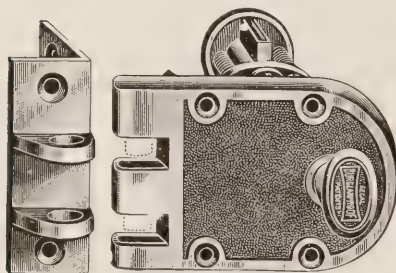
For sliding doors $1\frac{3}{4}$ inches thick or thicker. Thirty-three changes of keys. Mortise type. Lock, Latch, and flush door pulls combined. Operated from either side of door. For single or double doors. Latch piece and trip made of malleable iron. Steel flush cups. Steel keeper plate. Latch is released and door pulled open by same movement. Mortise case is $4\frac{3}{4}$ inches high by $3\frac{3}{4}$ inches wide by $\frac{7}{8}$ inch thick. Finish, black. Wt., $3\frac{1}{2}$ pounds. Packed one lock in metal-edged paper carton, complete with screws and templet for setting lock. Weight, per dozen, 45 pounds.

PRICE LIST

No. 525 Lock, regular finish, dead black, per dozen.....\$30.00

Discount.....

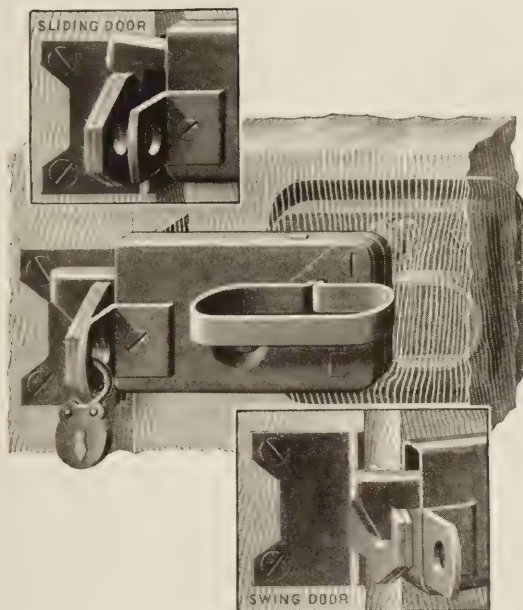
“SEGAL” Burglar-Proof Lock Made of Solid Bronze



For sliding or swinging doors on garages, residences, elevators, stores, factories, etc.

Absolutely jimmy-proof and force-proof because bolt and socket are inseparable when locked. Will fit doors of any thickness because they are equipped with adjustable cylinders. Length, $4\frac{1}{2}$ inches. Width, $2\frac{1}{4}$ inches. Shipping weight, 2 pounds each. Prices on application.

R-W No. 325 Sliding and Swinging Door Latch



Made of steel and malleable iron.

For sliding or swinging doors without change or adjustment. Reversible for right or left-hand single or double sliding or swinging doors.

Can be operated from inside or outside of door. Flush drop handle on wall side of the door. Size of flush cup for drop handle $3\frac{1}{4} \times 3\frac{7}{8}$ inches, $\frac{1}{2}$ inch deep.

Adjustable for doors $1\frac{3}{4}$ to $2\frac{1}{2}$ inches thick.

Can be locked with padlock, which, however, is not furnished.

Finish, regular rustless dead black.

Packed, one in metal-edge box, with screws.

Weight, per dozen, 26 pounds.

PRICE LIST

No. 325 Latches, per dozen.....\$12.00

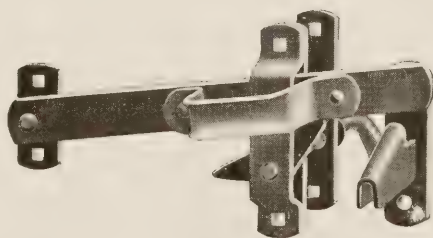
Discount.....

“BULL DOG”

R-W No. 125 Steel Latch

For Warehouse and Factory Doors

For heavy swinging doors. Reversible for right or left-hand doors. Screw adjustment on spindle to suit doors up to 3 inches thick. Dimensions of latch bar, $14 \times 1\frac{1}{2} \times \frac{5}{16}$ inches. Weight, per dozen, 70 pounds.

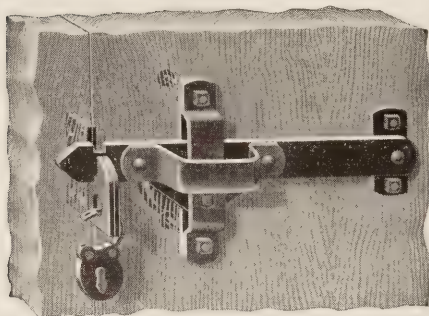


PRICE LIST

No. 125 Latches, per dozen.....\$12.00

Discount.....

“MONARCH” R-W No. 152 Sliding Door Latch



For swinging or sliding doors. Reversible for right or left-hand doors.

Made entirely of steel. Latch, 14 inches long, 1½ inches wide, ⅝ inch thick.

Adjustable for doors from 1¾ inches to 2⅝ inches thick.

Finish, japan.

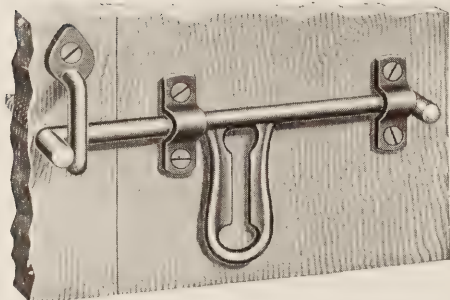
Packed one latch in metal edge box. Weight per dozen, 70 lbs.

PRICE LIST

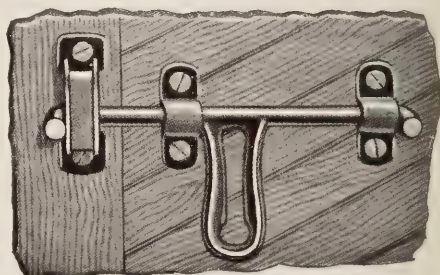
No. 152 Latches, per dozen.....\$11.70

Discount.....

“DANDY” R-W No. 128-1 and 128-2 Door Bolt and Gravity Latches



128-1 with lag screw keeper
Bolt, malleable iron



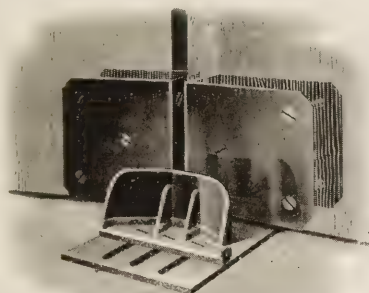
128-2 with flat steel keeper

Bolt, malleable iron. Staples, steel. For swinging or sliding, inside or outside doors. Can be securely locked with padlock. Especially adapted for box stalls, gates and inside doors, as it cannot be opened by horses or cattle.

Latch bolt, ½ inch diameter, 8 inches long. Finish, black enamel. Packed one dozen sets in metal edge box with screws. Weight, per dozen sets, No. 1, 13½ pounds; No. 2, 13 pounds. Price per dozen, either type.....\$3.00

Discount.....

R-W No. 271 Adjustable Floor Center Door Guide



For use with pairs of sliding garage doors. Guides the bottom of doors and holds same in place when closed.

Suitable for use with concrete or wood floors.

Shown with base plate buried in concrete.

Adjustable for doors, $1\frac{3}{4}$ to 3 inches thick.

Weight, 4 pounds.

PRICE LIST

No. 271 Adjustable Floor Center Door Guide, with screws, each.....	\$.80
No. 301-72 Steel Bumper Shoe, each.....	.10

Discount.....

Note—Two bumper shoes are used on each end of door. Specify on order if same are desired.

R-W No. 272 Adjustable Floor End Door Guide

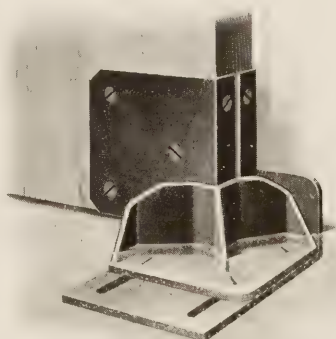
For use with sliding right-angle garage doors. Holds the bottom of doors in position when either opened or closed.

Suitable for use with concrete or wood floors.

Shown with base plate buried in concrete.

Adjustable for doors $1\frac{3}{4}$ to 3 inches thick.

Weight, 3 pounds.



PRICE LIST

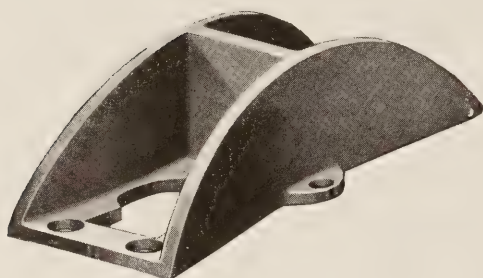
No. 272 Adjustable Floor End Door Guide, with screws, each.....	\$.60
No. 301-72 Steel Bumper Shoe, each.....	.10

Discount.....

Note—Two Bumper shoes are used on each end of door. Specify on order if same are required.

R-W No. 171 Cast Floor Center Stop

Made in Three Sizes



Floor Stop for use with pairs of doors. Can be fastened to floor or imbedded in concrete. Made of grey iron.

PRICE LIST

No. 171-1 For doors 2 inches thick, weight 44 lbs., per dozen.....	\$6.00
No. 171-2 For doors 2½ inches thick, weight 48 lbs., per dozen.....	7.50
No. 171-3 For doors 3 inches thick, weight 54 lbs., per dozen.....	9.00

Discount.....

R-W No. 172 Adjustable Parallel Door Floor Guide

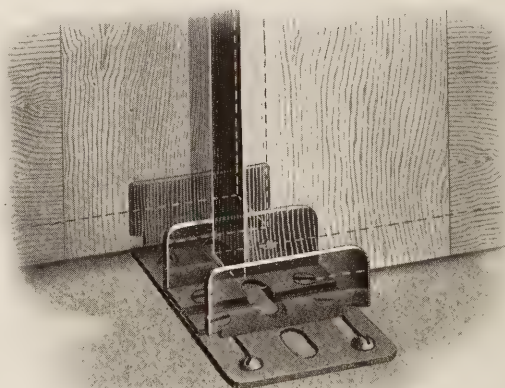
For use with parallel sliding doors. Guides the bottom of the doors and prevents chafing.

Suitable for use with concrete or wood floors.

Shown with base plate buried in concrete.

Adjustable for doors 1¾ to 3 inches thick.

Weight, No. 1, 5 lbs.
No. 2, 7 lbs. each.



PRICE LIST

No. 172-1 Adjustable Double Parallel Door Floor Guide, with screws, each	\$1.50
No. 172-2 Adjustable Triple Parallel Door Floor Guide, with screws, each	2.50

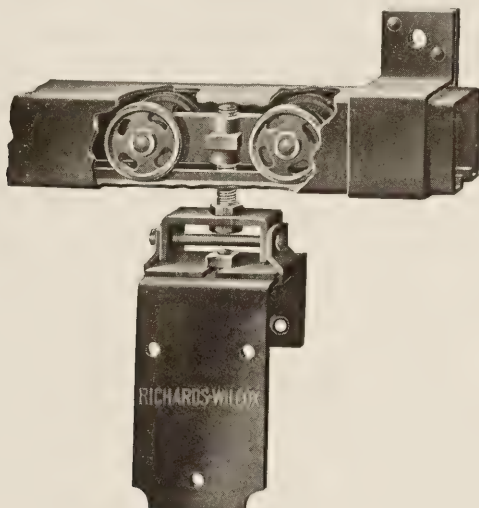
Discount.....



“JUSTAFLEX”

R-W No. 621 Trolley Roller-Bearing Door Hanger

For doors weighing approximately 300 pounds



Patented June, 1913

Has vertical and lateral adjustment. Pendant bolt attached to hinged clevis and permits door to swing out at bottom if desired. Adjustable $\frac{3}{4}$ of an inch vertically, pendant bolt being fitted with lock-nut to maintain adjustment made. Suitable for doors $1\frac{3}{4}$ to $2\frac{1}{2}$ inches thick. Track can be attached to side or ceiling supports, and is furnished in any length up to ten feet in one piece. A pair of hangers consist of two hangers, one center and two end brackets for side attachment, lag bolts for brackets and bolts for hangers. An adjusting wrench is packed with each pair of hangers. Weight, hangers, per pair, 11 pounds; track, per foot, $1\frac{2}{3}$ pounds. Runs in No. 31 Trolley track.

Distance from top of door to center of hole in bracket, 6 inches.

PRICE LIST

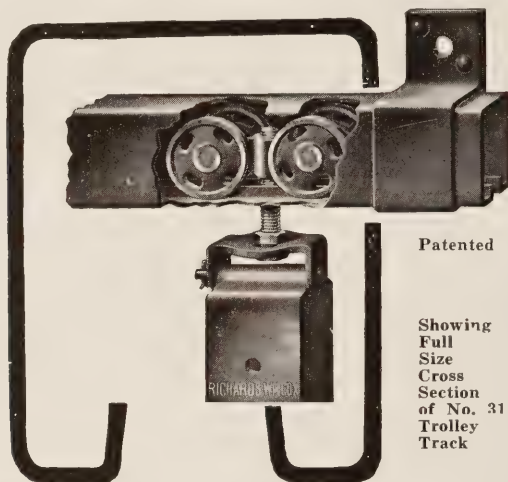
	Black	Galv.
No. 621 Hangers, with two end and one center bracket, per pair..	\$2.40	\$2.70
No. 621 Hangers only, per pair.....	1.95	2.15
No. 31 Track, per foot.....	.19	.22
Extra No. 1 x 31 Brackets, with lag screws, each.....	.16	.19

Discount.....

"RED JACKET"

R-W No. 821 Trolley Roller-Bearing Door Hanger

For doors weighing approximately 300 pounds



Patented

Showing
Full
Size
Cross
Section
of No. 31
Trolley
Track

Wheels, grey iron, lathe turned, $2\frac{1}{8}$ inches diameter. Bearings, steel rollers. Finish, black and red enamel or galvanized. Adjustment, lateral and vertical. Flexible joint. Apron, hinged, 5 inches long, $2\frac{1}{4}$ inches wide, $\frac{1}{8}$ inch thick, punched for $\frac{5}{16}$ inch bolts. For doors $1\frac{3}{4}$ to 2 inches thick. Packed one pair of hangers with carriage bolts, one adjusting wrench, one center and two end brackets with $\frac{7}{16}$ x $2\frac{1}{2}$ -inch lag screws in metal-edge box. Weight, hangers, per pair, 9 pounds; track, per foot, $1\frac{2}{3}$ pounds; brackets each, $\frac{3}{4}$ pound.

PRICE LIST

	Black	*Galv.
No. 821 Hangers, with two end and one center bracket, per pair...	\$2.40	*\$2.70
No. 821 Hangers only, per pair.....	1.95	2.15
No. 31 Track, 4, 6, 8, and 10-foot lengths, 8 pieces to bundle, per ft.	.19	.22
Extra, No. 1x31 Brackets, with lag screws, each.....	.16	.19

Discount.....

*Exposed parts of hangers only are galvanized.

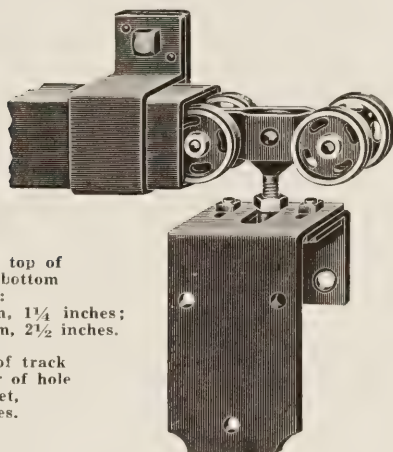
Note—Specify on order if extra brackets are desired.

Brackets should be spaced not to exceed 30-inch centers.

“IMPERIAL”

R-W No. 20-2 Trolley Roller-Bearing Door Hanger

For doors weighing approximately 300 pounds



Distance top of
door to bottom
of track:
Minimum, $1\frac{1}{4}$ inches;
Maximum, $2\frac{1}{2}$ inches.

Bottom of track
to center of hole
in bracket,
 $3\frac{3}{4}$ inches.

Wheels, grey iron, lathe turned, $2\frac{1}{8}$ inches diameter. Bearings steel rollers. Finish, black enamel or galvanized. Adjustment lateral and vertical. Apron, 6 inches long, $3\frac{1}{2}$ inches wide, $\frac{1}{8}$ inch thick, punched for $\frac{5}{16}$ -inch bolts. For doors $1\frac{3}{4}$ to $2\frac{1}{2}$ inches thick. Packed one pair of hangers with carriage and stove bolts, one center and two end brackets with $\frac{7}{16} \times 2\frac{1}{2}$ -inch lag screws in metal-edge box. Weight: hangers, per pair, 10 pounds; track, per foot $1\frac{2}{3}$ pounds; brackets, each $\frac{3}{4}$ pound.

PRICE LIST

	Black	*Galv.
No. 20-2 hangers, with 2 end and 1 center bracket, per pair.....	\$2.50	*\$2.80
No. 20-2 hangers, only, per pair.....	2.05	2.25
No. 31 track, 4, 6, 8 and 10-foot lengths (8 pieces to bundle), per ft. ....	.19	.22
Extra, No. 1x31 brackets, with lag screws, each.....	.16	.19

Discount

*Exposed parts of hangers only are galvanized.

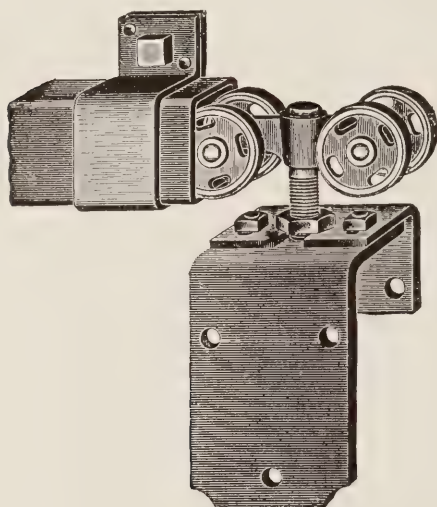
Note—Specify on order if extra brackets are desired.

Brackets should be spaced not to exceed 30-inch centers.

“STAYRITE”

R-W No. 20 1/2B Ball-Bearing Trolley Hanger

For doors weighing approximately 300 pounds



Wheels, grey iron, lathe turned, $2\frac{1}{8}$ inches diameter. Steel frames and hardened bearings. Finish, black enamel or galvanized. Adjustment lateral and vertical. Apron 6 inches long, $3\frac{1}{2}$ inches wide, $\frac{1}{8}$ inch thick, punched for $\frac{5}{16}$ -inch bolts. For doors $1\frac{3}{4}$ to $2\frac{1}{2}$ inches thick. Packed one pair of hangers with carriage and stove bolts, one center and two end brackets with $\frac{7}{16}$ x $2\frac{1}{2}$ -inch lag screws in metal-edge box. Weight: hangers, per pair, 11 pounds; track, per foot, $1\frac{2}{3}$ pounds; brackets, each $\frac{3}{4}$ pound.

PRICE LIST

	Black	*Galv.
No. 20½ B Hangers, with two end and one center bracket, per pr.	\$2.70	*\$3.00
No. 20½ B Hangers, only, per pair.....	2.25	2.45
No. 31 track, 4, 6, 8 and 10-foot lengths, (8 pieces in bundle), per ft.	.19	.22
Extra, No. 1x31 Brackets, with lag screws, each.....	.16	.19

Discount.....

*Exposed parts of hangers only are galvanized.

Note—Specify on order if extra brackets are desired.

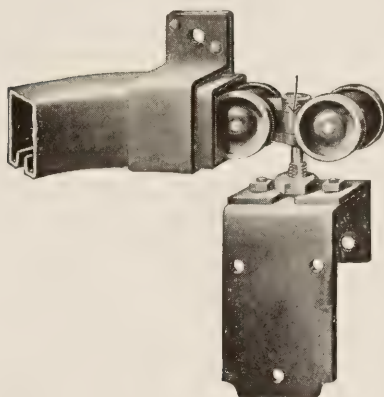
Brackets should be spaced not to exceed 30-inch centers.



"STAYRITE"

R-W No. 20 1/2B Knuckle-jointed Ball-Bearing Trolley Hanger

For doors weighing approximately 300 pounds



Wheels, grey iron, lathe turned, $2\frac{1}{8}$ -inch diameter. Steel frames and hardened bearings. Finish, black enamel or galvanized.

Adjustment lateral and vertical. Apron 6 inches long, $3\frac{1}{2}$ inches wide, $\frac{1}{8}$ inch thick, punched for $\frac{5}{16}$ -inch bolts. For doors $1\frac{3}{4}$ to $2\frac{1}{2}$ inches thick.

This hanger is knuckle-jointed which permits it to operate in curved sections of trolley track.

Weight, hangers, per pair, 11 pounds; track, per foot, $1\frac{2}{3}$ pounds; brackets, each $\frac{3}{4}$ pound.

PRICE LIST

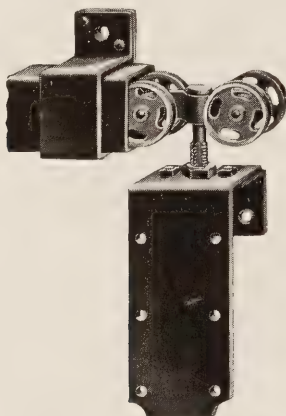
	Black	Galv.
*No. 20 1/2 B K. J. Hangers, per pair.....	\$3.70	\$4.00
*Trolley Track Brackets not included.		

Discount.....

“EXPANSION”

R-W No. 27 1/2B Ball-Bearing Trolley Hanger

For doors weighing approximately 400 pounds



Wheels, grey iron, lathe turned, $2\frac{1}{8}$ inches diameter. Steel frames and hardened bearings. Finish, black enamel or galvanized. Adjustment, lateral and vertical. Apron, 9 inches long, 4 inches wide, $\frac{3}{16}$ inch thick, punched for $\frac{5}{16}$ inch bolts. No. 1 for doors $1\frac{3}{4}$ to 2 inches thick. No. 2 for doors $2\frac{1}{4}$ to $2\frac{3}{4}$ inches thick. Packed one pair of hangers with carriage and stove bolts, one center and two end brackets with $\frac{7}{16} \times 2\frac{1}{2}$ -inch lag screws in metal-edge box. Weight: hangers, per pair, $12\frac{1}{2}$ pounds; track, per foot, $1\frac{2}{3}$ pounds; brackets, each $\frac{3}{4}$ pound.

PRICE LIST

	Black	*Galv.
No. 27 $\frac{1}{2}$ B-1 or 2 Hangers, with two end and one center bracket, per pair	\$3.70	*\$4.00
No. 27 $\frac{1}{2}$ B-1 or 2 Hangers, only, per pair	3.25	3.45
No. 27 $\frac{1}{2}$ B-1 or 2 Knuckle-joint Hangers, only, (for curved track), per pair	4.70	5.00
No. 31 Track, 4, 6, 8 and 10-foot lengths, (8 pieces to bundle), per foot .....	.19	.22
Extra, No. 1x31 Brackets, with lag screws, each .....	.16	.19

Discount

*Exposed parts of hangers only are galvanized.

Note—Specify on order if extra brackets are desired.

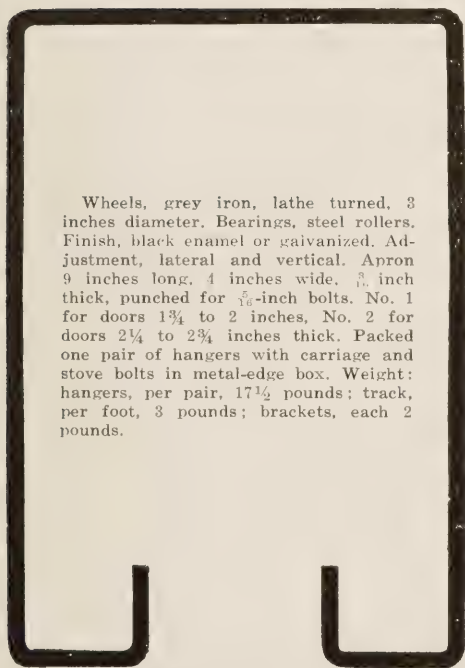
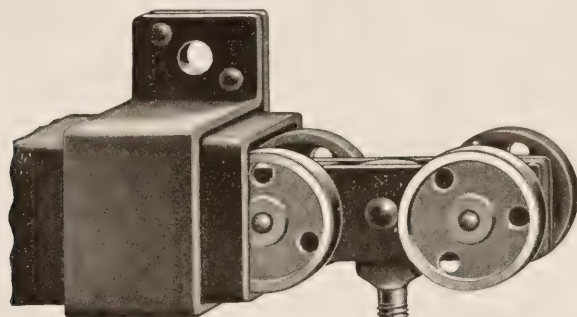
Brackets should be spaced not to exceed 30-inch centers.



“ECONOMY”

R-W No. 29V Roller-Bearing Trolley Hanger

For doors weighing approximately 600 pounds



Wheels, grey iron, lathe turned, 3 inches diameter. Bearings, steel rollers. Finish, black enamel or galvanized. Adjustment, lateral and vertical. Apron 9 inches long, 4 inches wide, $\frac{5}{16}$ inch thick, punched for $\frac{5}{8}$ -inch bolts. No. 1 for doors $1\frac{3}{4}$ to 2 inches, No. 2 for doors $2\frac{1}{4}$ to $2\frac{3}{4}$ inches thick. Packed one pair of hangers with carriage and stove bolts in metal-edge box. Weight: hangers, per pair, $17\frac{1}{2}$ pounds; track, per foot, 3 pounds; brackets, each 2 pounds.

Distance top of door to bottom of track:

Minimum,
 $1\frac{3}{4}$ inches;
Maximum,
 $3\frac{3}{4}$ inches.

Bottom of track to center of hole in bracket,
 $4\frac{11}{16}$ inches.

No. 232 Trolley Track, No. 14 Gauge
Full Size Cross Section

PRICE LIST

	Black	*Galv.
No. 29V-1 or 2 Hangers, less brackets, per pair.....	\$3.60	*\$4.10
No. 232 Track, 4, 6, 8 and 10-foot lengths, (4 pieces to bundle,) per foot.....	.34	.45
No. 1 x 232 Center Brackets, less lag screws, each.....	.34	.40
No. 2 x 232 End Brackets, less lag screws, each.....	.34	.40

*Exposed parts of hangers only are galvanized.

Discount.....

Note--Always specify brackets by number.

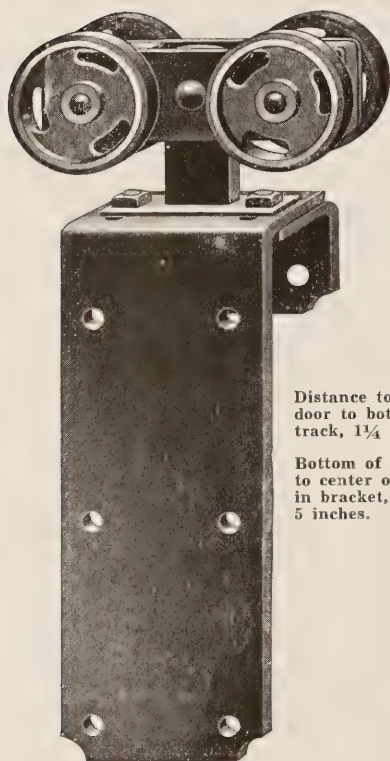
For heavy doors, brackets should be spaced not to exceed 24-inch centers.



“KING”

R-W No. 120 Trolley Roller-Bearing Door Hanger

For doors weighing approximately 800 pounds



Distance top of
door to bottom of
track, $1\frac{1}{4}$ inches.

Bottom of track
to center of hole
in bracket,
5 inches.

Wheels, grey iron, lathe turned, 3 inches diameter. Bearings, steel rollers. Finish, black enamel or galvanized. Adjustment, lateral only. Apron 12 inches long, $4\frac{1}{2}$ inches wide, $\frac{3}{16}$ inch thick, punched for $\frac{3}{8}$ -inch bolts.

Made in two sizes: No. 1 for doors $1\frac{3}{4}$ to 2 inches. No. 2 for doors $2\frac{1}{4}$ to 3 inches thick. For 3-inch doors, back apron must be sunk into door flush.

Packed one pair of hangers with carriage and stove bolts in wood box.

Weight: hangers, per pair 24 pounds; track, per foot, 4 lbs.; brackets, each $2\frac{1}{2}$ pounds.

PRICE LIST

	Black	*Galv.
No. 120-1 or 2 Hangers, less brackets, per pair.....	\$4.70	*\$5.50
No. 33 Track, 4, 6, 8 and 10-foot lengths, (4 pieces to bundle), per foot .....	.44	.56
No. 1 x 33 Center Brackets, less lag screws, each.....	.44	.52
No. 2 x 33 End Brackets, less lag screws, each.....	.44	.52

Discount.....

*Exposed parts of hangers only are galvanized.

Note—Always specify brackets by number.

For heavy doors, brackets should be spaced not to exceed 24-inch centers.



"JUMBO"

R-W No. 150 Roller-Bearing Wharf and Warehouse Door Hanger

For doors weighing approximately 1000 pounds



Full Size Cross Section of No. 33 Trolley Track



Wheels, grey iron, lathe turned, 3 inches diameter. Frames, drop forged. Bearings, steel balls. Finish, black enamel or galvanized. Adjustment, lateral and vertical. Apron, 12 inches long, $4\frac{1}{2}$ inches wide, $\frac{3}{8}$ inch thick, punched for $\frac{3}{8}$ -inch bolts. No. 1 for doors $1\frac{3}{4}$ to 2 inches. No. 2 for doors $2\frac{3}{4}$ to 3 inches thick. For 3-inch doors, back apron must be sunk into door flush. Packed one pair of hangers with carriage and stove bolts in wood box. Weight: hangers, per pair, 25 pounds; track, per foot, 4 pounds; brackets, each $2\frac{1}{2}$ pounds.

PRICE LIST

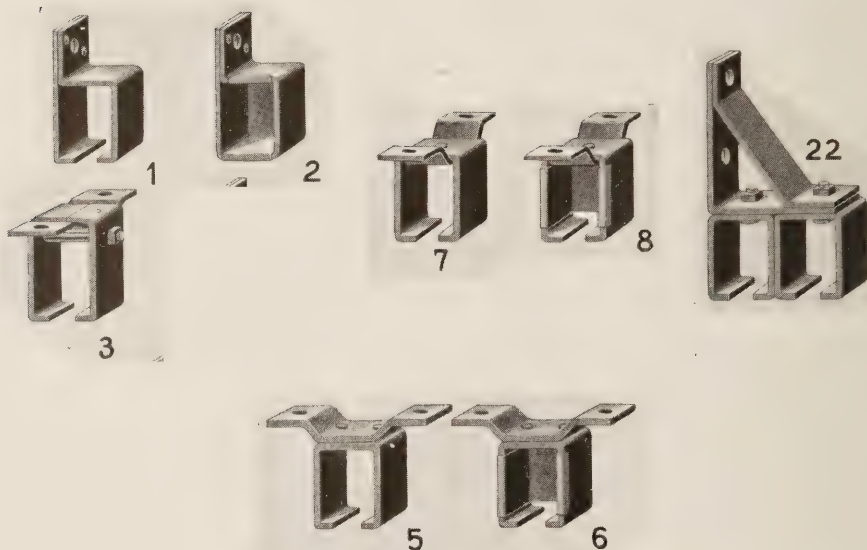
	Black	*Galv.
No. 123 $\frac{1}{2}$ B-1 or 2 Hangers, less brackets, per pair.....	\$6.20	*\$7.00
No. 123 $\frac{1}{2}$ B Knuckle-joint Hangers, less brackets, (for curved track), per pair.....	8.20	9.00
No. 33 Track, 4, 6, 8 and 10-foot lengths, (4 pieces to bundle), per foot .....	.44	.56
No. 1 x 33 Center Brackets, less lag screws, each.....	.44	.52
No. 2 x 33 End Brackets, less lag screws, each.....	.44	.52

*Exposed parts of hangers only are galvanized. Discount.....

Note—Always specify brackets by number.

For heavy doors, brackets should be spaced not to exceed 24-inch centers.

R-W Trolley Track Brackets



PRICE LIST

Bracket No.	DESCRIPTION	For Track Number Price Each			
		30	31	232	33
1	Side Center Bracket . . . . .	.15	.16	.34	\$.44
2	Side Right or Left End Bracket . . . . .	.15	.16	.34	.44
3	Split Bracket . . . . .	.24	.30	.60	.70
5	Cross-Ear Ceiling Center Bracket . . . . .	.15	.16	.34	.44
6	Cross-Ear Ceiling R. or L. End Bracket . . . . .	.15	.16	.34	.44
7	Parallel Ear Ceiling Center Bracket . . . . .	.15	.16	.34	.44
8	Parallel Ear Ceiling R. or L. End Bracket . . . . .	.15	.16	.34	.44
22	Side Double Center Bracket . . . . .	.50	.50	.90	1.00

Discount.....

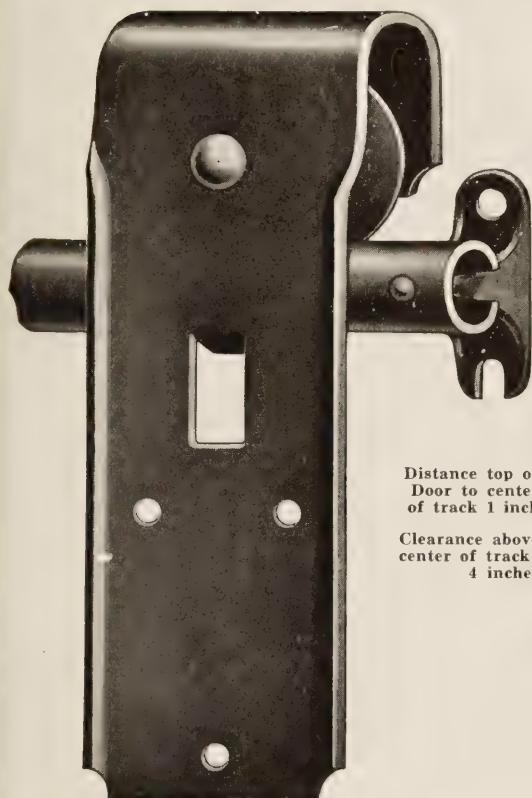


■ ■ BARN AND WAREHOUSE DOOR HANGERS ■ ■



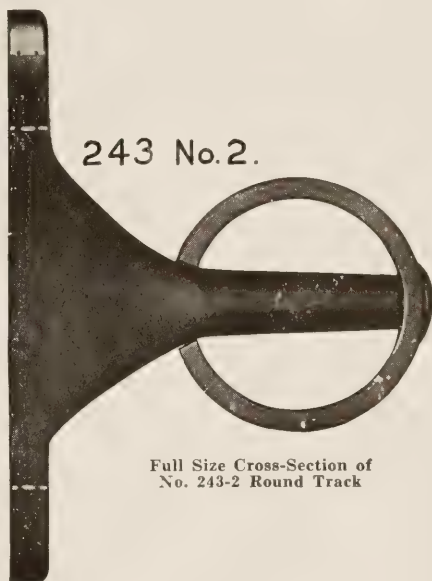
“REO”

R-W No. 462-2 Round Track Door Hanger



Distance top of
Door to center
of track 1 inch

Clearance above
center of track:
4 inches



243 No.2.

Full Size Cross-Section of
No. 243-2 Round Track

Wheels, grey iron, lathe turned. Pendants, steel. Bearings, steel rollers. Finish, black enamel. Limit guide prevents binding or derailment of door. For doors $1\frac{3}{4}$ to 2 inches thick. Packed one pair of hangers with carriage bolts and one track connection in metal-edge box; one dozen pairs in crate; track in bundle. Weight, track, per 100 feet, with brackets, No. 243-2, 120 pounds.

PRICE LIST

Hanger No.	Track No.	Dimensions of Pendant	Diameter Wheels	Weight, per Dozen Pair	List Price
462-2	243-2	$10\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{8}$	$2\frac{1}{2}$ ins.	90 pounds	\$12.00

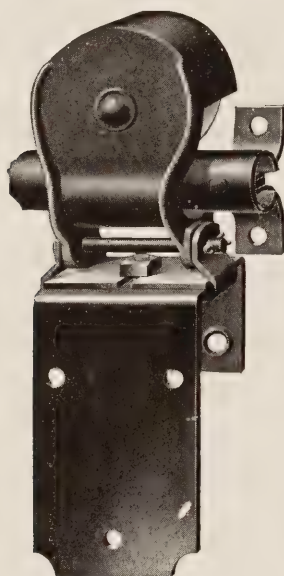
No. 243-2 Track, in 6, 8 and 10-foot lengths, (10 pieces to bundle), with riveted malleable brackets, per 100 feet.....\$12.00

Discount.....

Note—When ordering always state number of pieces and length of track.

“RED RUNNER”

R-W No. 543 Round Track Door Hanger



Distance, top of door to center of track, $2\frac{3}{8}$ inches. Clearance above center of track $3\frac{3}{4}$ inches.

Wheel, grey iron, lathe turned, $2\frac{1}{2}$ inches diameter. Hood, malleable iron, protects wheel from weather. Bearings, steel rollers. Finish, black enamel with wheel finished in red. Adjustment, lateral only. Flexible joint. Apron, hinged, 6 inches long, $3\frac{1}{2}$ inches wide, $\frac{1}{8}$ inch thick. For doors $1\frac{3}{4}$ to $2\frac{1}{2}$ inches thick. Packed one pair of hangers with carriage and stove bolts, and one track connection in metal-edge box; one dozen pairs in crate; track in bundles. Weight: hangers, per dozen pairs, 115 pounds; track, per 100 feet, 120 pounds.

PRICE LIST

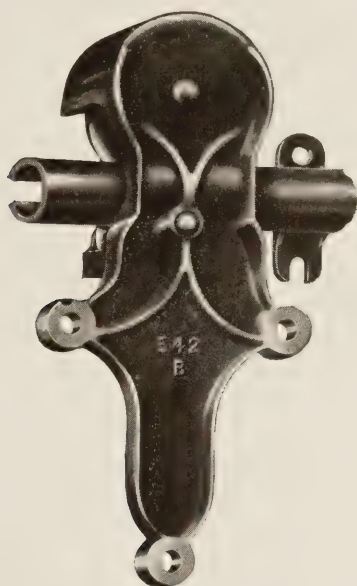
No. 543 Hangers, per dozen pairs.....	\$17.50
No. 243-2 Track, two foot lengths, (10 pieces to bundle), with riveted brackets, per 100 feet.....	12.00

Discount.....

Note—When ordering always state number of pieces and lengths of track.

“NOBALK”

R-W No. 542-B Round Track Door Hanger



Wheels, grey iron, lathe turned. Frame, malleable iron, ribbed back. Bearings, steel rollers. Finish, black enamel. Limit roller prevents binding or derailment of door. For doors $1\frac{3}{4}$ to 2 inches thick. Packed one pair of hangers with carriage bolts, one center and two end brackets in metal-edge box; one dozen pairs in crate; track in bundles; extra brackets in bulk.

HANGERS

Hanger No.	Dimensions	Diameter Wheels	Weight Per Dozen Pair	Price List
542-B	12 in. long, $5\frac{1}{2}$ in. wide	$2\frac{1}{2}$ in.	110 pounds	Per doz. pair, \$19.20

TRACK

Track Number	Diameter	Weight Per 100 Feet with Brackets, 2-foot Centers	Price List per 100 Feet with Brackets
542-B	$1\frac{5}{8}$ inches	110 pounds	\$14.00

Discount.....

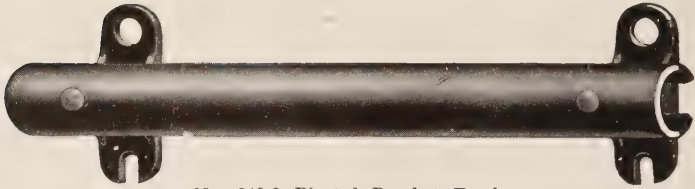
Track furnished in 4, 6, 8 and 10-foot lengths, (ten pieces to bundle.)

Note—When ordering always state number of pieces and lengths of track desired.

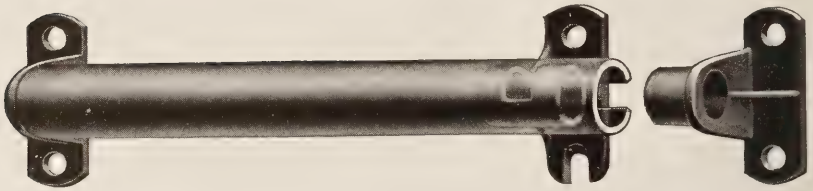
Brackets should be spaced not to exceed 24-inch centers.



R-W Round Tracks and Brackets



No. 243-2 Riveted Bracket Track



No. 542-B Movable Malleable Bracket Tubular track, with 542-B Center, and 542-B End Brackets

PRICE LIST

Track No.	Ga. Steel	Outside Diameter, Inches	Standard Lengths Feet	Pieces to Bundle	Weight per 100 Feet with Brackets (Pounds)	List per 100 Feet
243-2	14	$1\frac{5}{16}$	6-8-10	10	120	\$12.00
542-B	14	$1\frac{5}{16}$	6-8-10	10	110	14.00

BRACKETS

542-B End or Center Brackets, each.....\$.06

Discount.....



"JUNIOR"

R-W No. 34 Steel Door Hangers

Suitable for light doors of any description. Locker, china closet and cupboard doors. Made in two styles: No. 1 offset pendant; No. 2, straight pendant.

Track: for No. 34-1, $\frac{3}{4}$ -inch V-shaped wrought brass, No. 34-1 type; for No. 34-2, $\frac{1}{4}$ -inch half round wrought brass, No. 34-2 type. Wheels, grey iron, $1\frac{1}{4}$ inches diameter. Pendant, steel, 7 inches long, $1\frac{3}{8}$ inches wide, $\frac{1}{8}$ inch thick. Finish, bronze plated and flat black. Packed, one dozen pairs in a box. Weight: per dozen pairs, 12 pounds; track, No. 1 or No. 2, per 100 feet, 10 pounds.



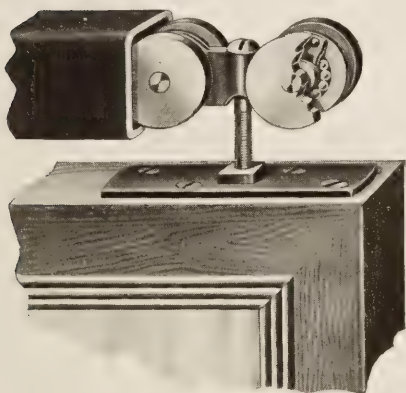
PRICE LIST

No. 34-1 or 2 Hangers, bronze plated, per dozen pairs.....	\$14.00
No. 34-1 or 2 Hangers, flat black, per dozen pairs.....	12.00
No. 34-1 or 2 Brass Track, per foot.....	.15
Discount.....	

"BANTAM"

R-W No. 30 Trolley Ball-Bearing Hanger

Suitable for doors $\frac{7}{8}$ to $1\frac{3}{8}$ " thick, such as cupboards, etc.



Full Size cross
section of No. 30
Trolley Track

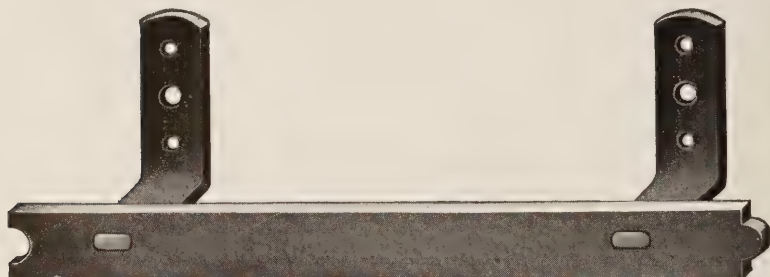
Weight, hangers per pair, one pound. Track, per foot, one pound. Wheels vulcanized fibre, bearings steel balls. Finish, black enamel.

PRICE LIST

No. 30 Hangers, less brackets, per pair.....	\$1.70
No. 30 Track, per foot.....	.15
Discount.....	



R-W No. 50 Steel Barn Door Rail



Track, steel, $1\frac{1}{4}$ inches wide, $\frac{3}{16}$ inch thick. Furnished in 6, 8 and 10-foot lengths. Finish, japan. This type of track is used with all styles of hinged hangers. Wired ten pieces in bundle. Weight, per 100 feet, 110 pounds.

PRICE LIST

No. 50 Track, per 100 feet.....\$7.20

R-W No. 61 and 63 Steel Barn Door Rail



Furnished in 6, 8 and 10-foot lengths. No. 63 is also furnished in 7-foot lengths. Finish japan. Wired ten pieces in bundle.

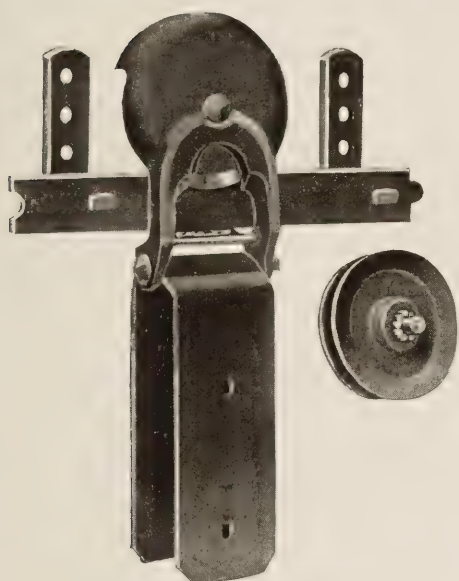
PRICE LIST

	No. 61 Track	No. 63 Track
Weight, pounds per hundred feet	80	100
Dimensions in inches	$1 \times \frac{3}{16}$ in.	$1\frac{1}{4} \times \frac{3}{16}$ in.
Price, per hundred feet	\$5.00	\$6.50

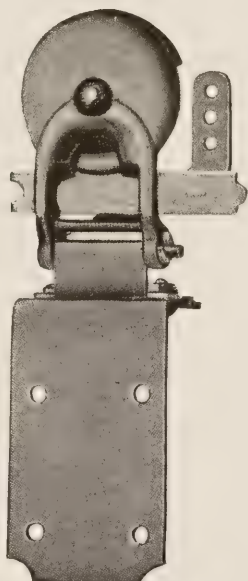
Discount.....

"AURORA"

Roller-Bearing Flexible Barn Door Hanger



"Aurora" Jr. R-W 843
Hanger



"Aurora" R-W 1143
Hanger

Track $1\frac{1}{4} \times \frac{3}{16}$ -inch. Wheels, grey iron. Hood, malleable iron. Protects wheel from weather.

Finish, japan.

Adjustment, lateral only. Flexible joint.

Apron, hinged, punched for $\frac{5}{16}$ -inch bolts. For doors $1\frac{3}{4}$ to 2 inches thick.

Packed one pair hangers with carriage bolts in metal-edge box, 12 pairs in crate; track, ten pieces to bundle.

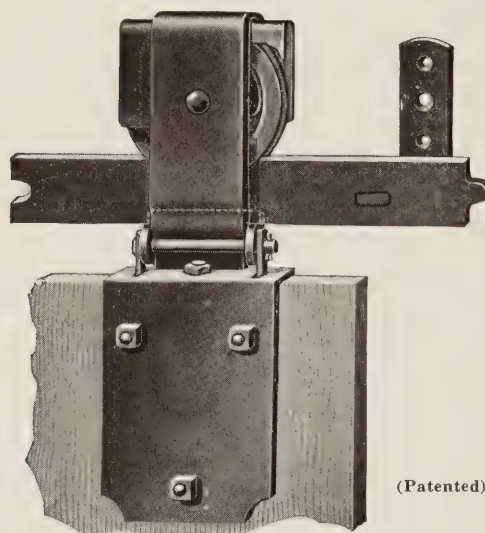
PRICE LIST

Hanger No.	Track No.	Apron Size Inches	Bearings	Diameter Wheels, Inches	Weight per Dozen Pairs	Price per Dozen Pairs
843	50	$5 \times 2\frac{1}{4} \times \frac{1}{8}$	Roller	3	85	\$16.00
1143	50	$6 \times 3\frac{1}{2} \times \frac{3}{16}$	Roller	3	100	16.00

No. 50 Track, per 100 feet.....\$7.20

Discount.....

"FLEX" **R-W No. 147 Flexible Roller-Bearing** **Barn Door Hangers**



(Patented)

Track, $1\frac{1}{4} \times \frac{3}{16}$ -inch. Wheels, grey iron. Finish, japan. Adjustment lateral only. Flexible joint. Apron, steel, punched for $\frac{5}{16}$ -inch bolts. For doors $1\frac{3}{4}$ inches thick. Packed one pair hangers with carriage bolts in metal-edge box, 12 pairs in crate; track, ten pieces in bundle.

PRICE LIST

Hanger No.	Track No.	Apron Size Inches	Bearings	Diameter Wheels, Inches	Weight, per Dozen Pair Pounds	Price List Per Dozen Pair
147	50	6 x 4 x $\frac{1}{8}$	Roller	$3\frac{1}{2}$	110	\$16.00
247	50	$6\frac{1}{2}$ x 4 x $\frac{1}{8}$	Roller	$3\frac{1}{2}$	110	16.00

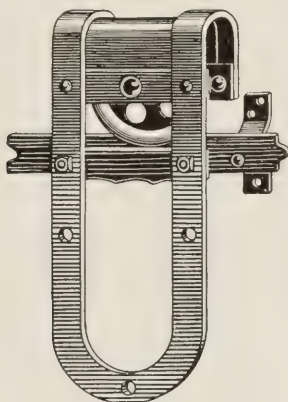
No. 50 Track, weight per 100 feet, 110 pounds, per 100 feet.....\$7.20

Discount.....



“WORLD”

R-W No. 38 Roller-Bearing Barn Door Hanger



Adjustable limit stop permits use of track 1 to 1 $\frac{1}{4}$ inches wide and also prevents hanger from jumping off track.

Wheels in all are grey iron.

Bearings, steel rollers.

Pendants, steel with hood to protect wheel from weather.

Finish, japan.

Hangers, packed one dozen pairs in crate; track, ten pieces in bundles.

No.	Pendants Inches	Diameter Wheels Inches	Track		Weight	
			No.	Size, Inches	Hangers, 1 Dozen Pair	Track 100 Feet
38-1	12 x 1 x $\frac{3}{16}$	3 $\frac{1}{4}$	61	1 x $\frac{3}{16}$	85 lbs.	80 lbs.
38-2	13 x 1 x $\frac{1}{4}$	4	63	1 $\frac{1}{4}$ x $\frac{3}{16}$	110 lbs.	100 lbs.

PRICE LIST

No. 38-1 Hangers, per dozen pairs.....	\$15.00
No. 38-2 Hangers, per dozen pairs.....	18.00
No. 61 Track, per 100 feet.....	5.00
No. 63 Track, per 100 feet....	6.50

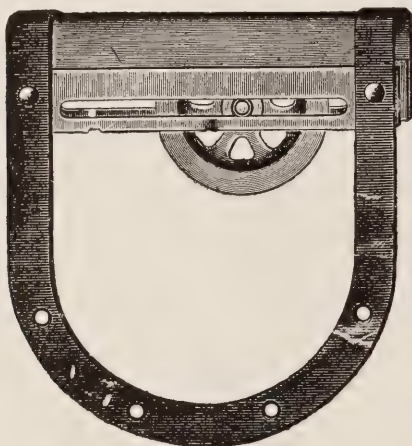
Discount.....



“ERIE”

R-W No. 42 Anti-Friction Barn Door Hanger with Traveling Wheel

Made in Two Sizes



Wheels in above are grey iron. Bearings, anti-friction, loose axle. Pendants, steel, with hood to protect wheel from weather. Finish, japan.

Hangers, packed one dozen pairs in crate, track ten pieces in bundle.

No.	Pendants Inches	Diameter Wheels Inches	Track		Weight	
			No.	Size, Inches	Hangers 1 Dozen Pair	Track, 100 Feet
42-3	11 x 1 x $\frac{3}{16}$	3 $\frac{1}{4}$	61	1 x $\frac{3}{16}$	110 lbs.	80 lbs.
42-4	12 x 1 x $\frac{1}{4}$	4	63	1 $\frac{1}{4}$ x $\frac{3}{16}$	140 lbs.	100 lbs.
42-5	14 x 1 x $\frac{1}{4}$	5	68	1 $\frac{1}{4}$ x $\frac{1}{4}$	175 lbs.	130 lbs.

PRICE LIST

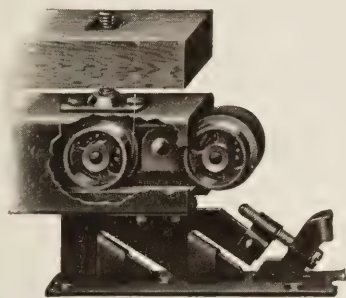
No. 42-3 Hangers, per dozen pairs.....	\$15.00
No. 42-4 Hangers, per dozen pairs.....	18.00
No. 42-5 Hangers, per dozen pairs.....	25.00
No. 61 Track, per 100 feet.....	5.00
No. 63 Track, per 100 feet.....	6.50
No. 68 Track, per 100 feet.....	8.00

Discount.....



“ADVANCE”

R-W No. 221 Trolley Ball-Bearing House Door Hanger



Track, No. 16 gauge steel and hard maple lined, No. 221 Clincher type, furnished with wood header, adjustable as illustrated.

Wheels, grey iron, lathe turned, $1\frac{7}{8}$ inches diameter. Steel frames and hardened bearings. Finish, blue lacquer.

Packed complete with screws, overhead center stop and floor guides. Weight, full set: hangers, $8\frac{1}{2}$ pounds; track, per foot, $2\frac{1}{2}$ pounds.

Track can be easily removed without injury to plastered walls. Minimum width of wall pocket, $2\frac{1}{4}$ inches.

PRICE LIST OF HANGERS AND TRACK

DOUBLE DOORS			SINGLE DOORS		
Number	Width of Opening	List	Number	Width of Opening	List
221-24	4 feet	\$ 8.00	221-12 $\frac{1}{2}$	2 $\frac{1}{2}$ feet	\$4.00
221-24 $\frac{1}{2}$	4 $\frac{1}{2}$ feet	8.00	221-13	3 feet	4.00
221-25	5 feet	8.00	221-13 $\frac{1}{2}$	3 $\frac{1}{2}$ feet	4.40
221-25 $\frac{1}{2}$	5 $\frac{1}{2}$ feet	8.00	221-14	4 feet	4.75
221-26	6 feet	8.00	221-14 $\frac{1}{2}$	4 $\frac{1}{2}$ feet	5.15
221-26 $\frac{1}{2}$	6 $\frac{1}{2}$ feet	8.40	221-15	5 feet	5.50
221-27	7 feet	8.75	221-15 $\frac{1}{2}$	5 $\frac{1}{2}$ feet	5.90
221-27 $\frac{1}{2}$	7 $\frac{1}{2}$ feet	9.15	221-16	6 feet	6.25
221-28	8 feet	9.50	221-16 $\frac{1}{2}$	6 $\frac{1}{2}$ feet	6.65
221-29	9 feet	10.25	221-17	7 feet	7.00
221-210	10 feet	11.00	221-17 $\frac{1}{2}$	7 $\frac{1}{2}$ feet	7.40
			221-18	8 feet	7.75

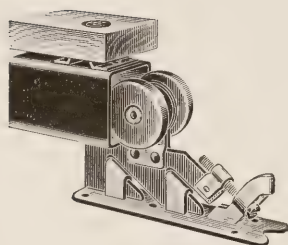
Hangers only, double doors.....\$3.50
Hangers only, single doors..... 1.75

Discount.....

Note—When ordering track without hangers, the list price is found by deducting the list price of hangers without track from the list price given for various lengths. Order by number.

"HERO"

R-W No. 19 Trolley Ball-Bearing House Door Hanger



Track, No. 16 gauge steel, No. 19 type, furnished with wood-header, adjustable as illustrated.

Wheels, vulcanized fibre, $2\frac{1}{8}$ inches diameter.

Bearings, steel balls. Finish, blue lacquer.

Packed complete with screws, overhead center stop and floor guides. Weight, full set; hangers, $5\frac{1}{2}$ pounds; track, per foot, $2\frac{1}{4}$ pounds.

Track can be easily removed without injury to plastered walls. Minimum width of wall pocket, $2\frac{1}{4}$ inches.

PRICE LIST OF HANGERS AND TRACK

DOUBLE DOORS			SINGLE DOORS		
Number	Width of Opening	List	Number	Width of Opening	List
19-24	4 feet	\$6.00	19-12½	2½ feet	\$3.00
19-24½	4½ feet	6.00	19-13	3 feet	3.00
19-25	5 feet	6.00	19-13½	3½ feet	3.25
19-25½	5½ feet	6.00	19-14	4 feet	3.50
19-26	6 feet	6.00	19-14½	4½ feet	3.75
19-26½	6½ feet	6.25	19-15	5 feet	4.00
19-27	7 feet	6.50	19-15½	5½ feet	4.50
19-27½	7½ feet	6.75	19-16	6 feet	4.75
19-28	8 feet	7.00	19-16½	6½ feet	5.00
19-29	9 feet	7.50	19-17	7 feet	5.25
19-210	10 feet	8.00	19-17½	7½ feet	5.50
			19-18	8 feet	5.75

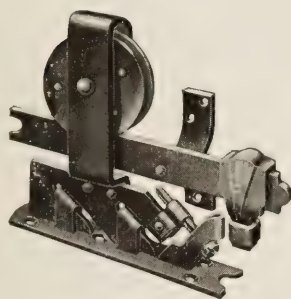
Hangers only, double doors.....\$3.00
Hangers only, single doors..... 1.50

Discount.....

Note—When ordering track without hangers, the list price is found by deducting the list price of hangers without track from list price given for various lengths. Order by number.

“MODEL”

R-W No. 12 Single-Track House Door Hanger



Track, $1\frac{1}{4} \times \frac{3}{16}$ inch steel, No. 63 type; full sets for 7-foot double; half sets for 4-foot single openings.

Wheels, steel, $3\frac{3}{8}$ inches diameter, with vulcanized fibre centers. Bearings, steel rollers. Finish, blue lacquer.

Packed complete with screws, overhead center stop and floor guides.

Weight, full set: hangers, 10 pounds; track, 14 pounds.

PRICE LIST

Full set including track (14 ft.).....	\$6.00
Half set, including track (8 ft.).....	3.00
Extra track, No. 63, per foot.....	.08

Discount.....

“XXX”

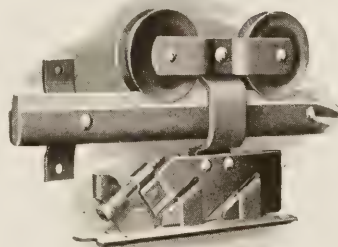
R-W No. 11 Brass-Bushed Bearing House Door Hanger

Track, hard maple and steel, No. 9 type; full sets for 7-foot double; half sets for 4-foot single opening.

Wheels, steel, $2\frac{1}{2}$ inches diameter, with vulcanized fibre centers.

Bearings, brass bushed. Finish, blue lacquer.

Packed complete with screws, overhead center stop, and floor guides.



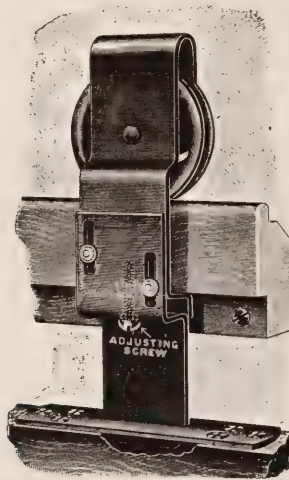
PRICE LIST

Full set, including track (14 ft.).....	\$6.00
Half set, including track (8 ft.).....	3.00
Extra track, No. 9, per foot.....	.08

Discount.....

“FRISCO”

R-W No. 15 Single-Track House Door Hanger



Runs on hard maple polished track and operates quietly and with ease. Ball-bearing.

Wheels, steel, $3\frac{1}{8}$ -inch diameter. Finish, blue lacquer.

Distance from top of door to top of track, $4\frac{7}{8}$ inches.

PRICE LIST

Double Sets, Hangers only.....	\$5.00
Single Sets, Hangers only.....	3.50
Track only, per foot.....	.20

Discount.....

R-W Accordion Sliding Door Hangers for Classroom Partitions



Designed especially for churches, schools, auditoriums, clubs, Y. M. C. A. rooms, libraries and other public buildings.

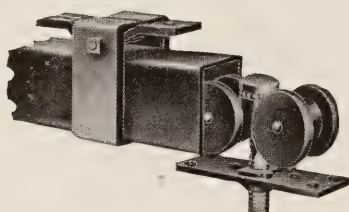
All doors can be folded to one side, or they may be divided at center and half the doors folded to each side. A half door is required adjoining jamb toward which the doors fold. Doors should not exceed three feet in width.

The four-wheel hanger No. 135 (Page 48) is preferable, and, when used, one hanger is applied to each alternate door, beginning with door farthest from half door.

If desirable to install hanger on each door, No. 137 Accordion hanger, (page 49) a two-wheeled hanger can be used.



R-W No. 135 Accordion Sliding Door Hangers for Classroom Partitions



For sliding-folding partition doors. Fitted with vertical screw adjustment and ball-bearing swivel pendant. Frame, malleable iron. Packed one hanger with screws in metal-edge box.

PRICE LIST

Hanger Number	For Track Number	Wheels		Bearings	Thickness of Doors, Inches	Weight Each Pounds	List Price Each
		Diam. Ins.	Regular				
135-1	31	2 $\frac{1}{8}$	Fibre	Roller	2 and 2 $\frac{1}{4}$	1 $\frac{3}{4}$	\$3.50

Discount.....

TRACK AND BRACKETS

No. 31 Track, black, 1 $\frac{3}{8}$ lbs., per foot.....\$.19
No. 3 x 31 Split brackets for No. 31 Track, each..... .30

Discount.....

Directions for Ordering—Always specify by number, the hangers, track and brackets desired. Track should be as long as opening is wide, less eight inches.

Brackets should be placed 2 to 2 $\frac{1}{2}$ feet apart. Doors should not exceed 3 feet in width.

In ordering, state number of full size doors and half-doors, width of opening and the thickness of doors.

Note—One No. 135 Hanger used on every other door, beginning with door farthest from half-door. Furnished with metal wheels if desired.





R-W No. 137 Accordion Sliding Door Hangers for Classroom Partitions



For folding-sliding partition doors. Fitted with vertical screw adjustment and ball bearing swivel drop forged pendant.

Packed, one hanger with screws, in metal-edge box.

PRICE LIST

Hanger Number	For Track Number	Wheels		Bearing	Thickness of Doors, Inches	Weight Each Pounds	List Price Each
		Diam. Ins.	Regular				
137-1	31	2 $\frac{1}{8}$	Fibre	Ball	1 $\frac{3}{4}$	1 $\frac{1}{4}$	\$3.00

Discount.....

TRACK AND BRACKETS

No. 31 Track, black, 1 $\frac{3}{8}$ lbs., per foot.....	\$.19
No. 3 x 31 brackets for No. 31 Track, each.....	.30

Discount

Directions for Ordering—Always specify by number, the hangers, track and brackets desired. Track should be as long as opening is wide, less eight inches.

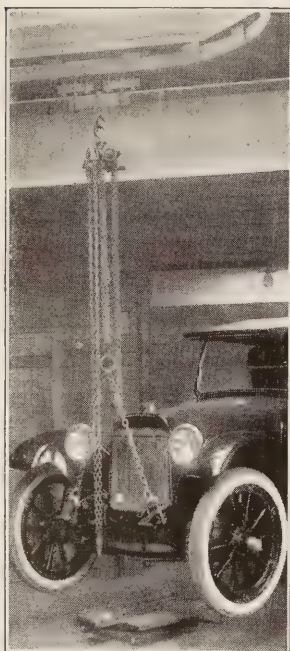
Brackets should be placed 2 to 2 $\frac{1}{2}$ feet apart. Doors should not exceed 3 feet in width.

In ordering, state number of full size doors and half-doors, width of opening and the thickness of doors.

Note—One No. 137 Hanger should be attached to each full size door.



Conveying Equipment



"Over-Way" System in Garage

Makes it convenient to lift from automobiles heavy units such as differentials, engines, bodies and transmissions, and carry them from the parking floor to the repair division; enables workmen to raise cars on end so they can work beneath comfortably and within easy reach of their tools. Speeds up the work of the garage; effects safe handling of heavy parts; eliminates waste space; saves wear and tear on floors, reduces cost of operation.

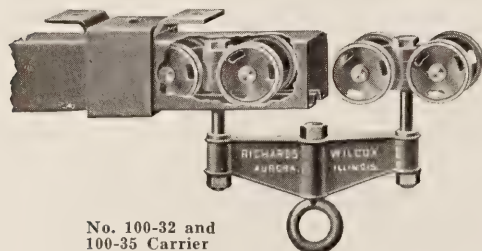
One man with a single "OveR-Way" Conveying unit will do the work of from 5 to 16 men using ordinary means of carrying.

Whatever your requirements, large or small, an "OveR-Way" system adapted economically to your individual requirements can be furnished.

"OveR-Way" Ball-Bearing Carriers for Straight and Curved Track

Carriers will not operate in curves
smaller than 24-inch radius

Wheels are grey iron, lathe turned. Bearings, high duty steel balls. Frames, dropforged, knuckle-jointed, with heavy steel pendants. Each set (four wheels and pendant) forms a complete unit which swivels independently, permitting carrier to operate in either straight or curved track. Finish, japan. Packed in bulk.



No. 100-32 and
100-35 Carrier



No. 100-31 and
100-34 Carrier



■ ■ ■ "OVER-WAY" CONVEYING EQUIPMENT ■ ■ ■



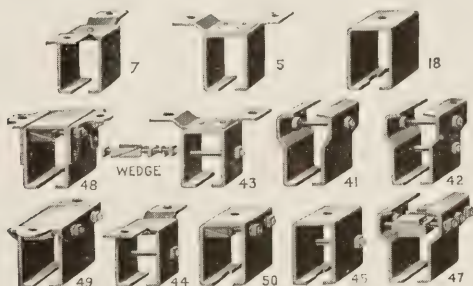
Price List on "R-W" Ball-Bearing Carriers

Number	For Track No.	Capacity in Pounds	Diameter Wheels Inches	Length Over All Inches	Bottom of Track to Bottom of Eye, Inches	Eye Bolt		Weight Pounds	Price List Each
						Diam. Stem Inches	Diam. Eye Inches		
100-31	75	250	2 $\frac{1}{8}$	5	2 $\frac{3}{4}$	$\frac{1}{2}$	1 $\frac{1}{2}$	2	\$ 3.50
100-32	75	500	2 $\frac{1}{8}$	12	5 $\frac{1}{4}$		1 $\frac{3}{4}$	6	7.40
100-33	75	1000	2 $\frac{1}{8}$	27	8 $\frac{1}{4}$		1 $\frac{3}{4}$	15	15.00
100-34	175	600	3	7	3		1 $\frac{3}{4}$	5	8.00
100-35	175	1250	3	16	6 $\frac{1}{4}$		1 $\frac{3}{4}$	12	15.00
100-36	175	2500	3	34	10 $\frac{3}{4}$		1 $\frac{7}{8}$	36	24.00

No. 75 Track, 14 gauge, per foot.....	Straight \$.20	Curved \$1.30
No. 175 Track, 13 gauge, per foot.....	.48	2.00
If heavier track is desired specify No. 275 or 375 instead of No. 175		
No. 275 Track (same size as No. 175), 12 gauge, per foot.....	.50	2.10
No. 375 Track (same size as No. 175), 10 gauge, per foot.....	.54	2.20
Brackets to suit requirements.	Discount.....	

Directions for Ordering—Always send sketch, giving correct dimensions and proposed layout of tracks. State weight and size of maximum load, if for constant or occasional use and if track will be used for storage purposes. Send detail of overhead construction so proper brackets will be furnished. Blue prints showing material and proper erection always furnished.

R-W Trolley Conveying Track Brackets



PRICE LIST

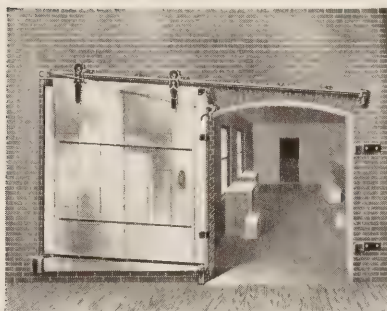
Bracket No.	DESCRIPTION	For Track No.—Each	
		75	175-275-375
5	Cross ear ceiling center bracket	\$.16	\$.44
7	Parallel ear ceiling center bracket . . . . .	.16	.44
18	Plain ceiling center bracket . . . . .	.16	.44
41	I Beam center Bracket . . . . .	.40	.60
42	I Beam end bracket with bolt . . . . .	.40	.60
43	Cross ear ceiling R or L end bracket . . . . .	.40	.60
44	Parallel ear ceiling R or L end bracket . . . . .	.40	.60
45	Plain ceiling R or L end bracket . . . . .	.40	.60
47	I Beam joint bracket with wedge	1.60	1.80
48	Cross ear ceiling joint bracket with wedge	1.00	1.80
49	Parallel ear ceiling joint bracket with wedge	1.00	1.80
50	Plain ceiling joint bracket with wedge . . . . .	.90	1.50

Prices on I-Beam Systems will be forwarded on application.

Discount.....

R-W No. 646 Round Track Fire Door Fixtures

One Link Fixture for Three-Ply 2½-Inch Doors



This round track hardware is included in list of Fire Door Hardware approved and labeled by National Board of Fire Underwriters.

PRICE LIST

Price list includes non-adjustable hangers, track and fixtures complete for doors when used on one side of wall only. If doors are to be used on both sides of wall, double sets will be required and the price will be doubled. Fixtures

packed complete with all bolts and screws for attaching parts to door, heavy cast washers for wall bolts and necessary counter-balance weights.

Wall bolts are not included, but will be furnished at moderate price if thickness of wall is given.

Width of Opening with 1 Pair Hangers	Price List	Weight per Set, Pounds	*Width of Opening with 1½ Pair Hangers	Price List	Weight per Set, Pounds
3 feet	\$13.30	142	6½ feet	\$16.80	185
3½ feet	13.55	149	7 feet	17.05	191
4 feet	13.80	152	7½ feet	17.30	197
4½ feet	14.05	155	8 feet	17.55	201
5 feet	14.30	160	8½ feet	17.80	204
5½ feet	14.55	164	9 feet	18.05	210
6 feet	14.80	170	9½ feet	18.30	214
			10 feet	18.55	218

No. 646 Fixtures only, per set, (less track and hangers).....\$8.00

No. 542-C Track only, with brackets, weight 2½ pounds, per foot..... .25

No. 542-C Hangers only, weight 22 pounds, per pair..... 3.50

No. 542-C Center Brackets, each..... .16

No. 542-E End Brackets, each..... .16

*For openings, (not doors), over 6 feet wide, Underwriters require three hangers.

Discount.....

Note—Square top opening requires 12 inches of head-room for non-adjustable hangers at edge of opening toward which the door slides in closing and ¾ inch more for each additional foot of track. Arched top opening requires 12 inches head-room above the top of arch and ¾ inch more for each foot the track extends beyond the center. Fixtures require 13½ inches of side wall room on side toward which door slides in closing and opposite side the width of opening plus 15 inches. To determine length of track, double width of opening and add 15½ inches.





"MONARCH"

R-W No. 201 Fire Door Fixtures

One Link Fixture for Three-Ply 2 $\frac{5}{8}$ -Inch Doors



This flat track hardware is included in list of fire door hardware approved and labeled by the National Board of Underwriters.

PRICE LIST

Price list includes non-adjustable hangers, track and fixtures complete for doors when used on one side of wall only. If doors are to be used on both sides of wall, double sets will be required and the price will be doubled. Fixtures packed complete with all bolts and

screws for attaching parts to door, heavy cast washers for wall bolts and necessary counter-balance weights.

Wall bolts are not included, but will be furnished at moderate price if thickness of wall is given.

Width of Opening with 1 Pair Hangers	Price List	Weight per Set, Pounds	*Width of Opening with 1 $\frac{1}{2}$ Pair Hangers	Price List	Weight per Set, Pounds
3 feet	\$17.70	165	6 $\frac{1}{2}$ feet	\$22.40	232
3 $\frac{1}{2}$ feet	18.05	170	7 feet	22.70	238
4 feet	18.40	176	7 $\frac{1}{2}$ feet	23.00	247
4 $\frac{1}{2}$ feet	18.70	183	8 feet	23.40	258
5 feet	19.05	191	8 $\frac{1}{2}$ feet	23.70	268
5 $\frac{1}{2}$ feet	19.40	202	9 feet	24.00	276
6 feet	19.70	208	9 $\frac{1}{2}$ feet	24.40	282
			10 feet	24.70	292

No. 201 Fixtures only, per set (less track and hangers).....\$10.70

No. 102-84 Track only, with brackets, weight 4 $\frac{1}{2}$ pounds, per foot..... .40

No. 102 Hangers only, weight 30 pounds, per pair..... 4.10

No. 202 Adjustable Hangers only, weight 36 pounds, per pair..... 7.00

*For openings, (not doors), over 6 feet wide, Underwriters require three hangers.

Discount.....

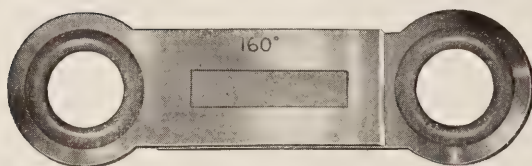
Note—Square top opening 14 inches of head-room for non-adjustable hangers and 17 inches of head-room for adjustable hangers at edge of opening toward which the door slides in closing, and $\frac{3}{4}$ inch more for each additional foot the track extends beyond the center. Fixtures require 13 $\frac{1}{2}$ inches of side-wall room on side toward which the door slides in closing and opposite side the width of opening, plus 19 inches.





R-W No. 96 and No. 96 1/2 Fusible Link for Fire Doors

Each Link Stamped 160 Degrees



Full Size Cut No. 96



Full Size Cut No. 96 1/2

These fusible links are used for fire door fixtures and are adapted for use on all doors and windows, which are constructed to close automatically by heat.

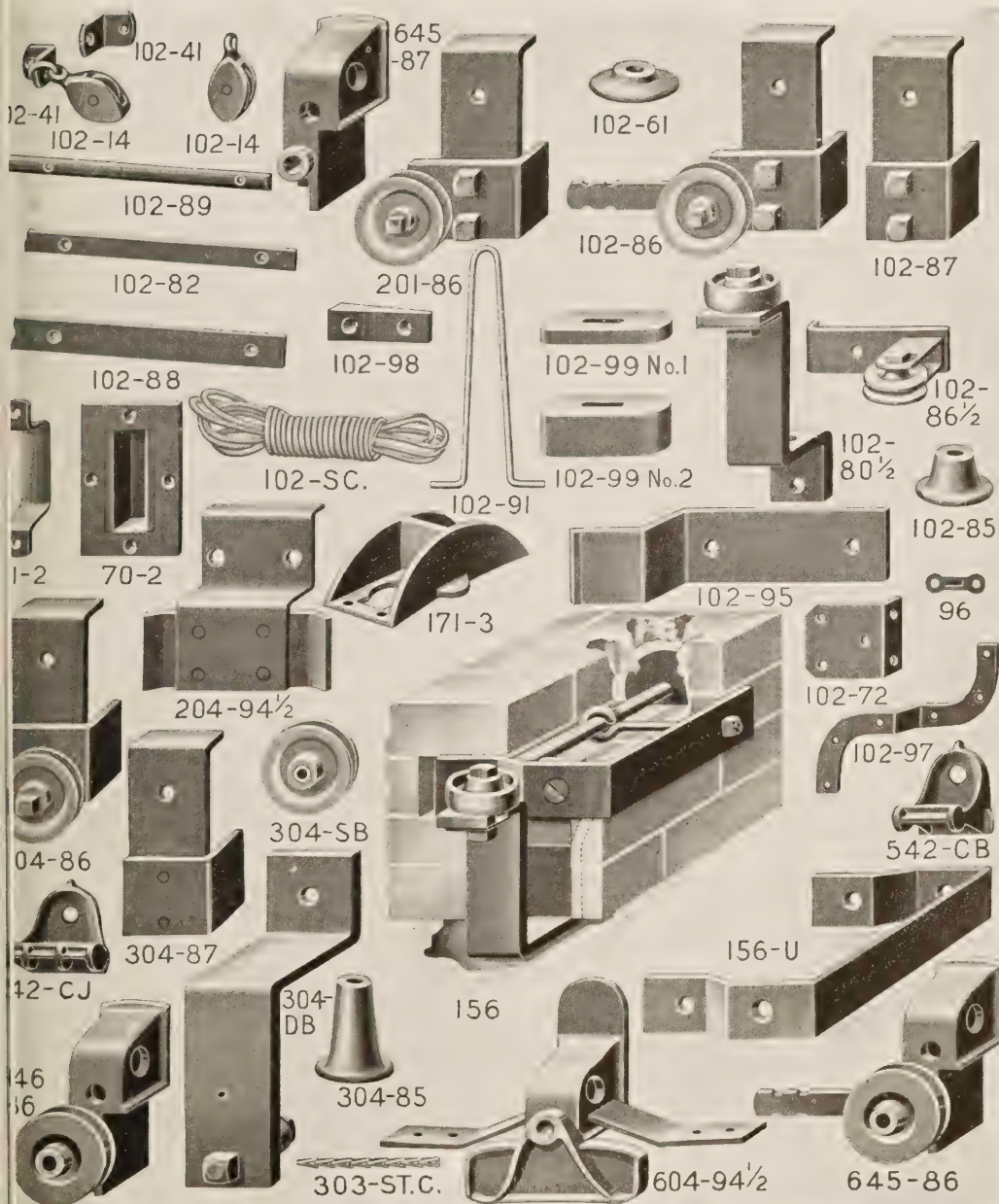
These links melt at 160 degrees Fahrenheit.

PRICE LIST

No. 96 Fusible Link, each.....	\$.30
No. 96 1/2 Fusible Link, each.....	.20

Discount.....

Detail of Parts for Sliding Fire Door Fixtures used with Nos. 201 and 646 Fixtures



“WESTERN”

R-W No. 00 Ball-Bearing Steel Frame Grindstone



Angle steel frame, well braced, strong and rigid. Bi-treadle with power properly applied.

Ball-Bearing journals and crank attachment. Fitted with detachable steel axle.

Made in one size and furnished with stone guaranteed best quality Berea Grit for general grinding, 19 to 20 inches in diameter by $1\frac{3}{4}$ to 2 inches face.

Seat, steel and adjustable.

Finish, black enamel.

Shipped, knocked down, well crated, with stone protected. Shipping weight, 75 pounds.

PRICE LIST

No. 00 Grindstone, complete, each.....\$5.00

Discount.....

"CYCLE"

R-W No. 300 Ball-Bearing Steel Frame Grindstone



Angle steel frame, strong and most rigid, on account of its peculiar construction. The legs are made of one piece angle steel and the upper frame is constructed to form a brace for the legs. No vibration, bi-treadle with power properly applied. Built on up-to-date mechanical principles.

Ball-Bearing journals and crank attachment. Fitted with detachable steel axle. Cranks are held on axle with our positive patented nut locking device.

Made in one size and furnished with stone guaranteed best quality Berea Grit, for general grinding, 19 to 22 inches in diameter by $1\frac{3}{4}$ to $2\frac{1}{4}$ inches face.

Seat, grey iron and adjustable.

Finish, red enamel with black trimmings.

Shipped, knocked down, well crated, with stone protected. Shipping weight, 95 pounds.

PRICE LIST

No. 300 Grindstone, complete, each.....\$6.20

Discount.....

“INVADER”

R-W No. 04 Ball-Bearing Steel Frame Grindstone



Stones 20 to 22 inches diameter—2 inches thick. Best quality Berea Grit. Weight about 60 pounds. Tubular steel frame, well braced and rigid. Ball-Bearing journals and crank attachment. Journals protected from dust with shield. Heavy pressed steel seat, adjustable to and from the stone to suit convenience of operator. Method of attaching pedals requires minimum movement of knee.

Cranks fit tapered seats on axle and are drawn tight with a nut—cannot work loose.

Shipped knocked down and crated.

Shipping weight, 120 pounds.

PRICE LIST

No. 04 Grindstone, complete, each.....\$6.90

Discount.....

“KING”

R-W No. 025 Ball-Bearing Steel Frame Grindstone



(Patented)

Tubular steel frame, slightly flexible, permitting same to adjust itself to uneven floors or surfaces. Easily set up. Frame is narrow at top, making it convenient to apply power and spread at base, giving greater rigidity. Bi-treadle, with power properly applied.

Stone movable horizontally on frame to suit convenience of operator.

Ball-bearing journals and crank attachment. Fitted with detachable steel axle. Cranks are held on axle with our positive, patented nut locking device.

Seat made of steel, adjustable vertically 4 to 5 inches.

Made in one size and furnished with stone guaranteed best quality Berea Grit for general grinding, 20 to 22 inches in diameter by $1\frac{3}{4}$ to $2\frac{1}{4}$ inches face.

Finish, red enamel with black trimmings.

Shipped knocked down, well crated, with stone protected. Shipping weight, 110 pounds.

PRICE LIST

No. 025 Grindstone, complete, each.....\$6.90

Discount.....

“VICTOR” R-W No. 400 Ball-Bearing Tubular Steel Frame Grindstone



(Patented)

Tubular steel frame, strong and rigid. Built on up-to-date mechanical principles. Bi-treadle with power properly applied.

Ball-bearing journals and crank attachment. Fitted with detachable steel axle. Cranks are held on axle with our positive, patented nut locking device.

Made in one size and furnished with stone guaranteed best quality Berea Grit for general grinding, 19 to 22 inches in diameter by $1\frac{3}{4}$ to $2\frac{1}{4}$ inches face.

Seat, grey iron and adjustable.

Finish, red enamel with black trimmings.

Shipped knocked down, well crated, with stone protected. Shipping weight, 100 pounds.

PRICE LIST

No. 400 Grindstone, complete, each.....\$6.90

Discount.....



GRINDSTONES



“ELI”

R-W No. 310 Ball-Bearing Wood Frame Grindstone

Made in Three Sizes



Frame made of well seasoned hardwood, securely braced and bolted. Folds up into compact package for shipment. Bi-treadle with power properly applied.

Ball-bearing journals and crank attachments. Fitted with detachable steel axle. Cranks are held on axle with our positive, patented nut locking device.

Made in three sizes and furnished with stones guaranteed best Berea Grit for general grinding. No. 1 size, 19 to 21 inches in diameter by 1¾ to 2¼ inches face; No. 2 size, 22 to 24 inches in diameter by 2 to 2½ inches; No. 3 size, 26 to 28 inches in diameter by 2 to 2½ inches.

Seat, grey iron, attached with screws.

Finish, red paint with black enamel trimmings.

Shipped, knocked down, well crated, with stone protected. Shipping weight, No. 1, 105 pounds; No. 2, 120 pounds; No. 3, 135 pounds.

PRICE LIST

No. 310-1 Grindstone, complete, each.....	\$6.00
No. 310-2 Grindstone, complete, each.....	6.50
No. 310-3 Grindstone, complete, each.....	7.00

Discount.....

“RURAL” R-W No. 015 Power Grindstone



The frame is of $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{3}{16}$ -inch angle iron, rigid and well braced. It stands $27\frac{1}{2}$ inches high, 30 inches long and 19 inches wide on the floor.

Self-aligning bearings; shaft $\frac{5}{8}$ -inch diameter. Berea Grit stone, 22 inches by 2 inches. Pulley, 12 inches by $2\frac{3}{8}$ inches. We recommend that stone run about 70 revolutions per minute for best results. (Prices quoted on other sizes of pulleys on application.)

Pulley, hand crank and drip cup regular.

Extras—Galvanized iron water pan with supporting rods, adjustable tool rest and drip tray, all-steel foot pedal, pedal rod and short crank.

Shipped knocked down and securely crated.

Finish, red, black trimmings. Weight, regular, 115 pounds; complete, 127 pounds.

PRICE LIST

No. 015 Power Grindstone, complete with all attachments.....	\$11.60
No. 015 Power Grindstone, regular with pulley, hand crank and drip cup	9.00

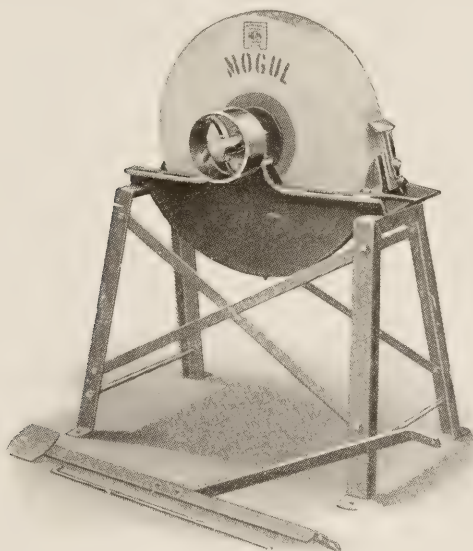
EXTRA PARTS

Galvanized Iron Water Trough.....	\$1.30
Foot Treadle and Attachments.....	1.30
Tool Rest.....	.30
Drip Tray.....	.30

Discount.....

“MOGUL” R-W No. 07 Steel Frame Power Grindstone

Furnished With Foot Pedal When Desired



Heavy steel angle frame, strongly braced. The stone stands 42 inches high, 32 inches long, 21 inches wide on the floor. One-piece grey iron water pan, from which the water can be drained by simply removing the plug provided for this purpose at the bottom. This overcomes the necessity of removing the water pan to drain off the water. It is necessary to drain off the water when the stone is not in use, for if the stone is allowed to stand in water any length of time, the submerged part becomes soft and wears away rapidly. This throws the stone out of true and prevents efficient grinding.

Furnished with adjustable tool rest, with drip tray, draining into water pan.

Ball-bearing journals for axle, which are dust and grit-proof. Fitted with detachable steel axle.

Steel treadle rod and steel treadle furnished only when ordered, and then at extra cost.

Hand crank furnished with each machine.

Made in one size and furnished with stone guaranteed best Berea Grit for farm or factory use. Size, 22 to 24 inches in diameter by $\frac{1}{2}$ to 3 inches face.

Pulley, 6 inches diameter by 3 inches face, furnished with each machine. We recommend that stone run about 70 revolutions per minute for best results. (Prices quoted on other sizes of pulleys on application.)

Finish, red and black enamel.

Shipped, frame knocked down, stone assembled to water pan, all crated with stone protected. Shipping weight, complete, 220 pounds.

PRICE LIST

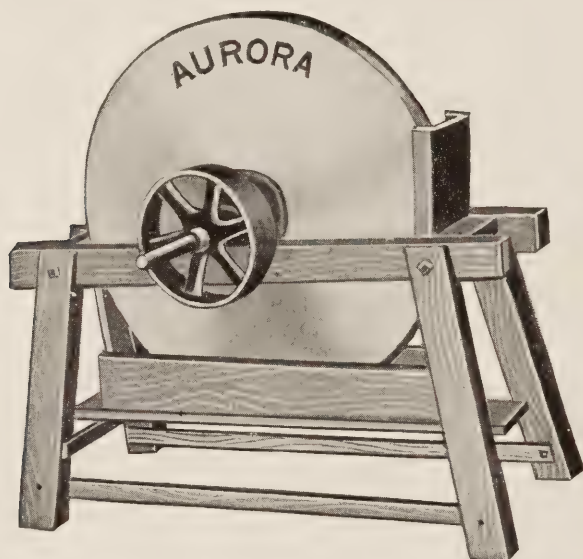
No. 07 Power Grindstone, without foot power attachment, each.....\$18.00
No. 07 Power Grindstone, with foot power attachment, each..... 20.00

Discount.....

Note—Frames and stone sold separately when desired. Prices quoted on application.

“AURORA”

R-W No. 09 Wood Frame Power Grindstone



Frame built of well-seasoned hardwood, strongly made and securely braced. Legs are bolted to top bar.

Water box is made of well-seasoned wood and is placed underneath the stone. Same can be removed to drain the water as the stone should not stand in water any length of time on account of the submerged parts becoming soft and wearing away rapidly. This throws the stone out of true and prevents efficient grinding.

Babbitted bearings for axle. Furnished with detachable steel axle, which permits shipping of centered stone separate from frame and still have the stone run true when the axle is replaced, without redressing the stone.

Made in seven sizes as shown in table below. Finished with stone guaranteed best Berea Grit for factory and railroad use.

Pulley, on first size, No. 09-5, is 6 inches diameter by 3 inches face; on all other sizes regular pulley furnished is 12 inches diameter by 3 inches face. (We will substitute any required size, charging only the actual difference in price.)

Finish, red paint.

Shipped, knocked down, frame bundled and stone crated. Can be shipped set up, if desired.

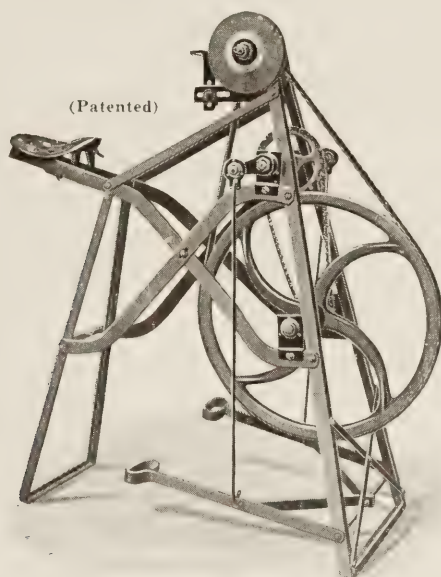
PRICE LIST

Number	Weight	Size of Stone	Complete with Pulley
09-5	190 pounds	24 x 3 inches	\$24.00
09-6	310 pounds	30 x 4 inches	28.80
09-7	410 pounds	36 x 4 inches	35.20
09-8	650 pounds	42 x 5 inches	40.00
09-9	980 pounds	48 x 6 inches	56.00
09-10	1450 pounds	54 x 7 inches	72.00
09-11	2000 pounds	60 x 8 inches	88.00

Discount.....

"CYCLONE"

R-W No. 018 Ball-Bearing Steel Frame Grindstone



(Patented)

Designed especially to meet the demand for an inexpensive dependable grinder for carpenters, plumbers, repair shops, garages, etc.

Angle steel frame, strong and most rigid, on account of its peculiar construction. The legs are made of one-piece angle steel and the upper frame is constructed to form a brace for the legs. No vibration, bi-treadle with power properly applied. Built on up-to-date mechanical principles.

Ball-bearing journals and crank attachment.

Made in one size and furnished with 6-inch diameter by $\frac{3}{4}$ -inch Carbo wheel and one sickle cone, $3\frac{1}{2}$ inches long by $3\frac{1}{2}$ inches large diameter and $2\frac{1}{2}$ inches small diameter.



No. 019 Sickle Attachment



No. 020 Disc Attachment

Adjustable grey iron seat.

Finish, red enamel with black trimmings.

Shipped set up, well crated. Shipping weight, 80 pounds.

PRICE LIST

No. 018 Grinder, complete, each.....	\$12.50
No. 019 Sickle Holder, each.....	1.50
No. 020 Disc Holder, each.....	1.50
Discount.....	

NO. 019 SICKLE HOLDER

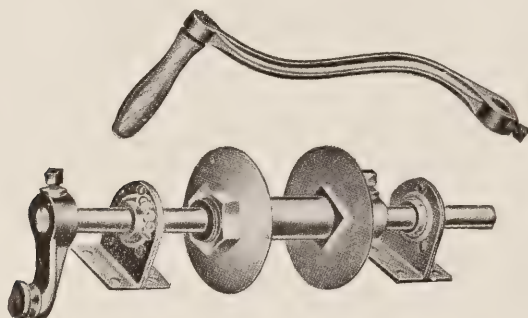
Holds sickle bar in correct position and angle for grinding.

NO. 020 DISC HOLDER

An inexpensive and dependable holder to be used when grinding discs used with cultivators, pulverizers and disc harrows.

R-W No. 01 Ball-Bearing Grindstone Fixtures

With Set Screws



Made in one size. Ball-bearing journals. Applicable to all ordinary frames.

Steel axle, 12 inches long, will support stone 18 to 20 inches diameter, by 2 to 3 inches thick.

Finish, japan. Packed one dozen sets in a box.

Shipping weight, 85 pounds.

PRICE LIST

No. 01 Fixtures, per dozen.....\$14.70

Discount.....

R-W No. 330 Ball-Bearing Grindstone Fixtures

With Patented Nut Locking Device



Fixtures same as No. 01 shown above with the exception that both cranks are held on axle with our positive, patented nut locking device.

Furnished with ball-bearing short crank, instead of non-ball-bearing as with No. 01. Axle $8\frac{5}{8}$ inches long.

Packed one dozen sets in a box. Shipping weight, 85 pounds.

PRICE LIST

No. 330 Grindstone Fixtures, per dozen sets.....\$17.00

Discount.....



R-W No. 320 Ball-Bearing Kitchen Grindstones



Frame or trough, best grey iron, mounted on steel base.

Furnished with ball-bearing journals for axle.

Furnished with clamp for attaching to table.

Hand crank is detachable.

Made in six sizes as shown below, stones carefully selected Berea Grit rubbed finish and accurately centered.

Finish, trough, red enamel; base, black enamel.

Packed one-half dozen in box. Each stone wrapped in heavy paper to protect finish.

PRICE LIST

Number and Size	Shipping Weight	Per Dozen
320— 6-inch	120 pounds	\$15.50
320— 7-inch	140 pounds	16.20
320— 8-inch	160 pounds	18.60
320— 9-inch	190 pounds	20.90
320—10-inch	210 pounds	23.20
320—11-inch	240 pounds	25.50
320—12-inch	280 pounds	27.90

Discount.....

R-W Loose Grindstones



We are prepared to furnish loose grindstones of any desired grit in any quantity. The stones are from the Berea district in Ohio and are the best known for general grinding.

All diameters and thicknesses. Furnished regular with straight face. Can furnish bevel face when desired. All stones cut with parallel sides, permitting same to be piled, requiring but minimum storage space.

Loose and mounted stones shipped in mixed cars either from quarry or from Aurora factory. Sold by the single stone, ton or carload.

Can also furnish Nova Scotia Grit if desired.

Prices quoted on application.

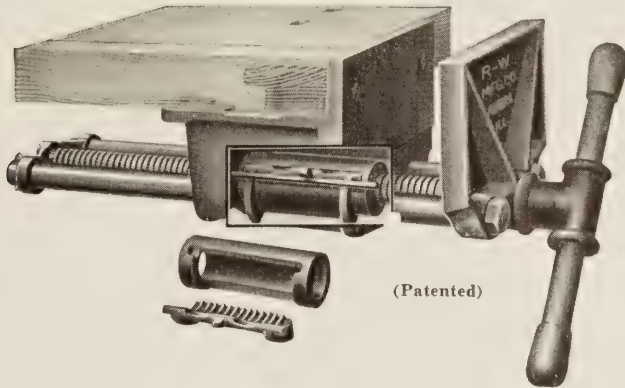
Note.—Stones not crated unless so ordered, in which case we add actual cost of crating.

Standard Table—Weights of Ohio Grindstones

All stones over 200 pounds are sold by measurement weight; less than 200 pounds by cut weight, which is actual weight on scales as they come from the lathe and is always cut on the stone.

R-W No. 430 and No. 430-S Rapid Acting Vises

Made in Two Sizes



Equipped with two-piece cam-operated nut.

Instantaneous adjustment. Continuous in action. Operates entire length. Nut is released and completely disengaged when pressure on work is removed by slight reverse movement of handle. When pressure is applied nut engages.

No pawls, racks or triggers to break or wear.

Guide rods are of cold rolled steel, the ends connected by malleable iron yoke which maintains perfect alignment.

Jaws are of best grey iron with working surfaces ground and finished. Special design of ribs on jaws secures minimum deflection of spring under pressure, as well as minimum wear.

No. 1—Jaws, 7 inches wide, 4 inches deep, open 10 inches; screw, 1-inch diameter, 4 threads to the inch; weight, 32 pounds.

No. 2—Jaws, 10 inches wide, 5 inches deep, open 12 inches; screw, 1-inch diameter, 4 threads to the inch; weight, 42 pounds.

Either type can be made specially to open any desired length. Jaws furnished with maple faces if wanted. Packed regularly six in a crate. If crated single, 10 cents extra.

PRICE LIST

No. 430 -1, each.....	\$6.00
No. 430S-1, each.....	6.60
No. 430 -2, each.....	7.20
No. 430S-2, each.....	7.80
Maple Faces for Jaws, per pair.....	.50
Locking Nut Device, complete.....	1.50

Discount.....



STAY ROLLERS



R-W No. 55 Lag Screw Barn Door Stay Rollers

Wheels, grey iron, 2 inches diameter. Lag screws, $\frac{7}{16}$ inch diameter by 6 inches long.

Finish, japan.

Packed in bulk.

Weight, per dozen, $5\frac{3}{4}$ pounds.

PRICE LIST

No. 55 Stay Roller, per dozen.....\$1.00

Discount.....

R-W No. 57 Lag Screw Barn Door Stay Rollers



Wheels, grey iron, 2 inches diameter.

Lag screws, $\frac{7}{16}$ -inch diameter by 8 inches long.

Finish, japan. Packed in bulk.

Weight, per dozen, $6\frac{1}{2}$ pounds.

PRICE LIST

No. 57 Stay Roller, per dozen.....\$1.00

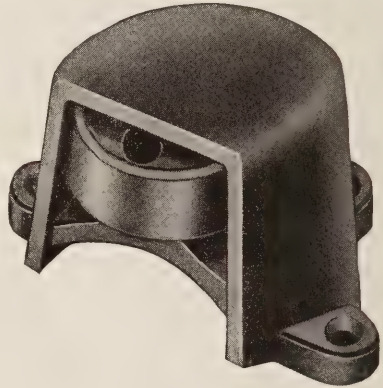
Discount.....



“SAFETY”

R-W No. 151 Warehouse Stay Roller

Made of grey iron. As shown in illustration, wheel is protected and cannot be broken. Especially designed for use in small freight and warehouses. Wheel, grey iron, 2 inches diameter. Finish, japan. Packed one dozen in metal-edge box. Weight, $17\frac{1}{2}$ pounds. Suitable for use on concrete floors.



PRICE LIST

No. 151 Stay Roller, per dozen.....	\$3.50
Discount.....	

R-W No. 60 Steel Warehouse Door Stay Rollers



This type is frequently imbedded in concrete floors.

Wheel, grey iron, $3\frac{1}{4}$ inches diameter. Steel frame, $2\frac{1}{4}$ inches wide, $\frac{3}{16}$ inch thick, $5\frac{3}{4}$ inches high.

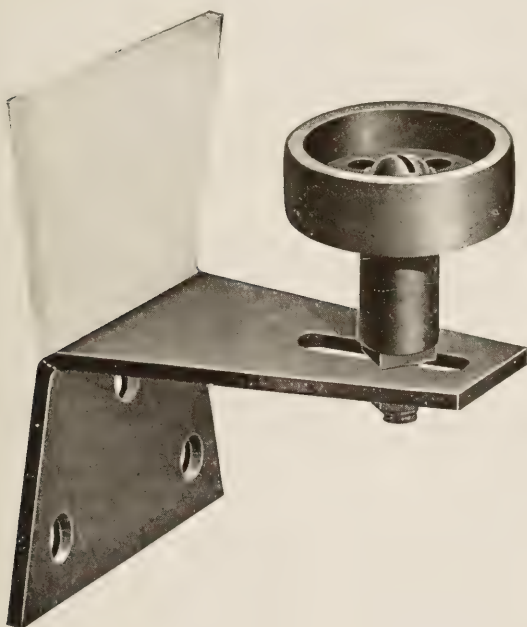
Finish, japan. Packed in bulk.

Weight, per dozen, 33 pounds.

PRICE LIST

No. 60 Stay Roller, per dozen.....	\$5.00
Discount.....	

R-W No. 153 Steel Warehouse Stay Roller



Wheels, grey iron,
2½ inches diameter.

Steel frame.

Finish, japan.

Packed in bulk. Wt.,
per dozen, 25 pounds.

Adjustable and re-
versible.

For inside or out-
side doors from 2½ to
3 inches thick.

PRICE LIST

No. 153 Stay Roller, per dozen.....\$2.40

Discount.....

R-W No. 154 Heavy Steel Warehouse Stay Roller

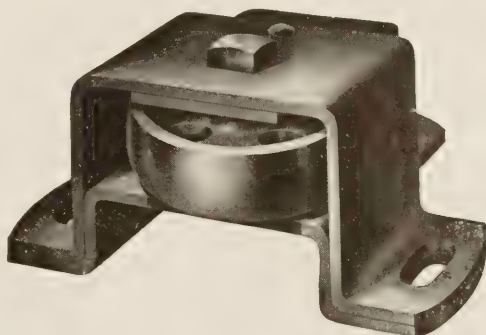
Especially designed for
use on heavy warehouse
and freighthouse doors. Ex-
tra heavy construction.

Wheels grey iron, 3½
inches diameter.

Steel frame has screw
holes slotted, providing a
means for adjustment.

Finish, japan.

Packed in bulk, weight
per dozen, 60 pounds.

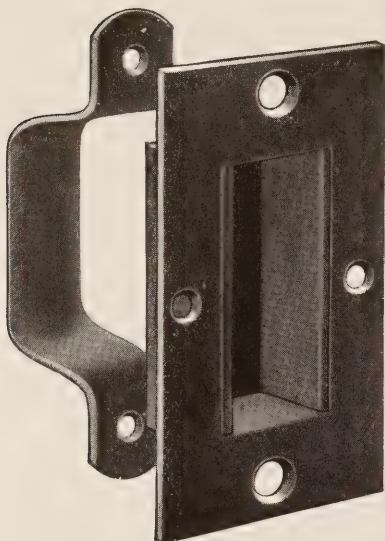


PRICE LIST

No. 154 Stay Roller, per dozen.....\$14.40

Discount.....

R-W Nos. 70 and 71 Steel Flush Pulls and Steel Handles



Made of steel and finished black enamel. Packed, No. 70 Flush Pulls, one-half dozen; No. 71 Handles, one dozen in metal-edge box or in bulk. Weight, Pulls, each, 1 pound; Handles, each, $\frac{1}{2}$ pound.

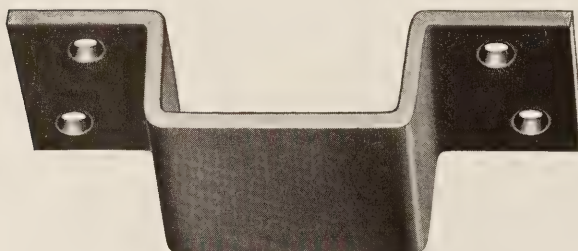
The No. 2 size handles and pulls are the same as furnished with fire door fixtures for three-ply doors.

PRICE LIST

No. 70-1 Flush Pull ($9\frac{3}{4}$ pounds), per dozen.....	\$2.00
No. 70-2 Flush Pull (13 pounds), per dozen.....	3.00
No. 71-1 Handle ($3\frac{3}{4}$ pounds), per dozen.....	1.00
No. 71-2 Handle (5 pounds), per dozen.....	1.80

Discount.....

R-W No. 74 Steel Stake Pocket



Made of steel for $1\frac{3}{4} \times 3$ inch stakes.

Furnished in 3 sizes of steel. Finish, japan.

Packed in bulk.

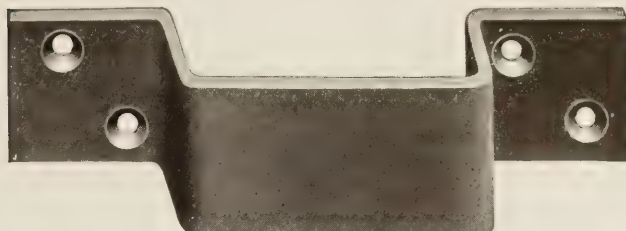
PRICE LIST

Number	74-0	74-1	74-2
Size Steel	$1\frac{1}{2} \times \frac{3}{16}$ in.	$2\frac{1}{2} \times \frac{3}{16}$ in.	$2\frac{1}{2} \times \frac{1}{4}$ in.
Weight, per 100	80 lbs.	125 lbs.	175 lbs.
Price, per 100	\$9.50	\$12.00	\$14.00

Discount.....



R-W No. 72 Whole Bar Staple



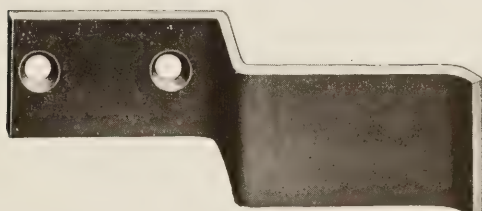
Made of steel for six sizes of bar.
Finish, japan. Packed in bulk.

PRICE LIST

Number	72-1	72-2	72-3	72-4	72-5	72-6
Size Bar . . .	1 x 2 in.	1½ x 2¾ in.	1¾ x 3¼ in.	2 x 4 in.	2 x 4 in.	2 x 4 in.
Size Steel . .	1½ x ½ in.	1¾ x ¾ in.	1½ x ¾ in.	1½ x ¾ in.	1¾ x ¾ in.	1½ x ¾ in.
Wt., per Doz.	3¾ lbs.	5 lbs.	10 lbs.	13½ lbs.	18½ lbs.	23½ lbs.
Price, per Doz.	\$1.00	\$1.20	\$1.40	\$1.80	\$2.00	\$2.40

Discount.....

R-W No. 73 Half Bar Staple



Made of steel for six sizes of bars.
Finish, japan. Packed in bulk.

PRICE LIST

Number	73-1	73-2	73-3	73-4	73-5	73-6
Size Bar . . .	1 x 2 in.	1½ x 2¾ in.	1¾ x 3¼ in.	2 x 4 in.	2 x 4 in.	2 x 4 in.
Size Steel . .	1½ x ½ in.	1¾ x ¾ in.	1½ x ¾ in.	1½ x ¾ in.	1¾ x ¾ in.	1½ x ¾ in.
Wt., per Doz.	3 lbs.	3½ lbs.	7 lbs.	10½ lbs.	14½ lbs.	19 lbs.
Price, per Doz.	\$.90	\$1.10	\$1.30	\$1.60	\$1.90	\$2.30

Discount.....

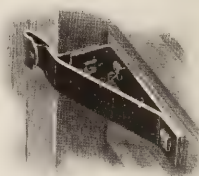
R-W No. 89 Adjustable Door Binder and Stop

Made of three pieces steel, base $\frac{3}{16}$ inch thick, brace $\frac{1}{8}$ inch thick by $1\frac{3}{4}$ inches wide.

Adjustable for doors $1\frac{3}{4}$ to 3 inches thick. Brace is pivoted, allowing first lag screw to be inserted easily. End is flared to readily receive the door.

May be used at front or back of door. Should be attached with $\frac{7}{16}$ -inch lag screws or bolts.

Finish, japan. Packed in bulk. Weight, per dozen, 19 pounds.



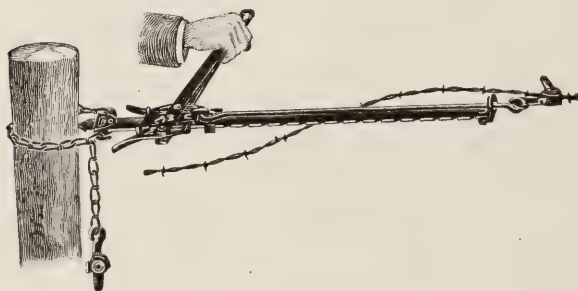
PRICE LIST

No. 89 Door Binder and Stop, per dozen.....\$4.00

Discount.....

“ELWOOD”

R-W No. 234 1/4 Wire Stretcher



Made of malleable iron and steel. Finish, natural. Wired one-half dozen in a bundle.

Weight, per dozen, 70 pounds.

PRICE LIST

No. 234 1/4 Wire Stretchers, per dozen.....\$10.00

Discount.....



“BIG LIFT”

R-W No. 428 Wagon Jack

Made in Four Sizes

An all-steel jack. Operated by a combination of powerful double-acting levers and toggles. Lifts 2¼ inches. Adjusts quickly for any height axle.

When the handle is down the jack is positively locked.

Finish, japan.

Packed in one dozen and half-dozen crates.

PRICE LIST

No.	Capacity Pounds	Range of Adjustment	Weight per Dozen	Price per Dozen
428-1	500	14 to 22¼ inches	100	\$13.50
428-2	1000	15 to 24 inches	125	18.00
428-3	1800	16½ to 25 inches	215	27.00
428-4	2500	14½ to 26 inches	375	60.00

Discount.....

Adjustable Malleable D's

R-W No. 282 and No. 382



(Patented)



Overcomes the old faulty ones that are always loose and cannot be tightened; have 3-inch strap ferrule. Adjustable to any size handles. No shoulders to trim down or any dressing to do. Can be kept tight, though wood shrinks. Is securely fastened on by two rivets. Easily removed, no burning or boring to do.

No. 282 has wood handle. No. 382 is all malleable.

Finish, agricultural blue. Packed one-half dozen in metal-edge box. Weight, per dozen, No. 282, 9¼ pounds; No. 382, 13½ pounds.

PRICE LIST

No. 282 Malleable D, per dozen.....	\$2.00
No. 382 All Malleable D, per dozen.....	2.20

R-W No. 110 Steel Foot Scraper



Made in two pieces of steel, securely riveted together. Can be attached with screws or bolts to sidewalks or porch steps. 5¾ inches wide, 2½ inches high. Finish, japan.

Packed one dozen in metal-edge box.

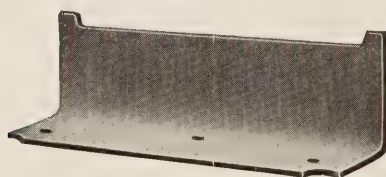
Weight, per dozen, 8 pounds.

PRICE LIST

No. 110 Foot Scraper, per dozen.....	\$1.50
--------------------------------------	--------

Discount.....

R-W No. 111 Steel Foot Scraper



Designed especially to meet the demand for a low priced foot scraper. Made of one piece of steel. Can be attached with bolts or screws.

Size, 5¾ inches by 2 inches. Finish, japan.

Packed in bulk. Weight, per dozen, 4 pounds.

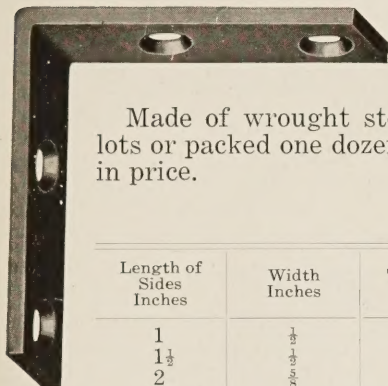
PRICE LIST

No. 111 Foot Scraper, per dozen.....	\$1.20
--------------------------------------	--------

Discount.....



R-W No. 77 Wrought Steel Corner Irons



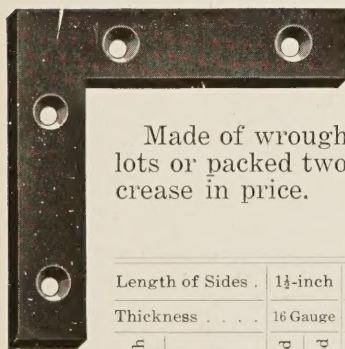
Made of wrought steel. Finish natural; wired in dozen lots or packed one dozen in metal-edge box at slight increase in price.

PRICE LIST

Length of Sides Inches	Width Inches	Thickness Inches	Weight per Dozen Pounds	Price per Dozen	
				Wired	Boxed
1	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{2}$	\$.20	\$.23
$1\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{8}$	$\frac{3}{4}$	.24	.27
2	$\frac{3}{8}$	$\frac{1}{8}$	$1\frac{1}{4}$	.28	.31
$2\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{8}$	2	.34	.37
3	$\frac{3}{8}$	$\frac{1}{8}$	$2\frac{1}{2}$	.42	.45
$3\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{8}$	$3\frac{3}{4}$	.50	.54
4	$\frac{3}{8}$	$\frac{1}{8}$	$4\frac{1}{4}$	.60	.64
5	$\frac{3}{8}$	$\frac{1}{8}$	$5\frac{1}{2}$	.95	1.00
6	$1\frac{1}{2}$	$\frac{3}{8}$	$8\frac{1}{2}$	1.20	1.25
8	$1\frac{1}{4}$	$\frac{1}{4}$	18	1.80	1.86

Discount.....

R-W No. 78 Wrought Steel Corner Irons



Made of wrought steel. Finish, natural; wired in dozen lots or packed two dozen in metal-edge box at a slight increase in price.

PRICE LIST

Length of Sides		1½-inch	2-inch	2½-inch	3-inch	3½-inch	4-inch	5-inch	6-inch
Thickness		16 Gauge	16 Gauge	16 Gauge	14 Gauge	14 Gauge	14 Gauge	13 Gauge	13 Gauge
Width	Price	Wired	Boxed	Wired	Boxed	Wired	Boxed	Wired	Boxed
2½-in.	Per doz.	\$.11	\$.13	\$.12	\$.14	\$.13	\$.15	\$.14	\$.17
3-in.	Per doz.	.15	.17	.16	.19	.17	.20	.18	.21
3½-in.	Per doz.	.20	.23	.21	.24	.22	.25	.23	.27
4-in.	Per doz.	.28	.32	.30	.36	.32	.38	.34	.42
5-in.	Per doz.	.32	.36	.34	.42	.38	.46	.42	.52
6-in.	Per doz.	.36	.42	.40	.50	.46	.56	.52	.64

Discount.....

R-W No. 79 Wrought Steel Mending Plates



Made of wrought steel. Finish, natural; wired in dozen lots or packed two dozen in metal-edge box at a slight increase in price.

PRICE LIST

Length Inches	Width Inches	Thickness Inches	Weight per Dozen Pounds	Price per Dozen	
				Wired	Boxed
2	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{5}{8}$	\$.20	\$.23
2 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{3}{4}$	.23	.26
3	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{7}{8}$	.25	.28
3 $\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{8}$	1	.28	.31
4	$\frac{7}{8}$	$\frac{1}{8}$	1 $\frac{3}{8}$	.30	.33
5	$\frac{7}{8}$	$\frac{1}{4}$	1 $\frac{3}{4}$	.35	.38
6	1 $\frac{1}{8}$	$\frac{1}{8}$	2	.40	.44
8	1 $\frac{1}{4}$	$\frac{3}{16}$	5	.50	.54

Discount.....

Note—Unless otherwise specified, Nos. 77, 78 and 79 will be sent wired in dozen lots.

Eugene Smith Company
Printers, Aurora, Illinois

